

INTRODUCTION TO HTML

Web site: A set of interconnected web pages, usually including a homepage, generally located on the same server, and prepared and maintained as a collection of information by a person, group, or organization.

Web Page: A web page is a document that's created in html that shows up on the internet when you type in or go to the web page's address.

Types of Web Pages:

- **Static web page:** is delivered exactly as stored, as web content in the web server's file system. Contents cannot be changed.
- **Dynamic web page:** is generated by a web application that is driven by server-side software or client-side scripting. Dynamic web pages help the browser (the client) to enhance the web page through user input to the server. Contents can be changed as evolution over time.

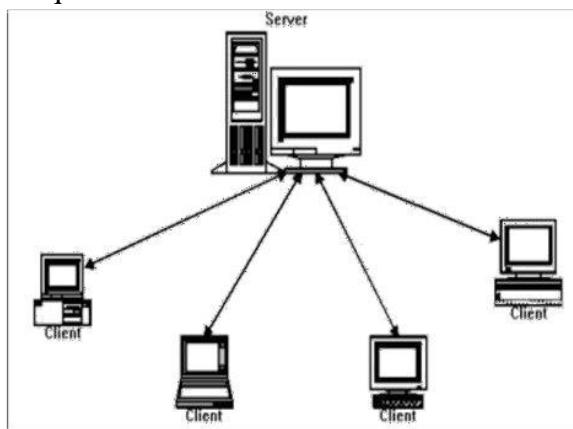
Browsers & their types

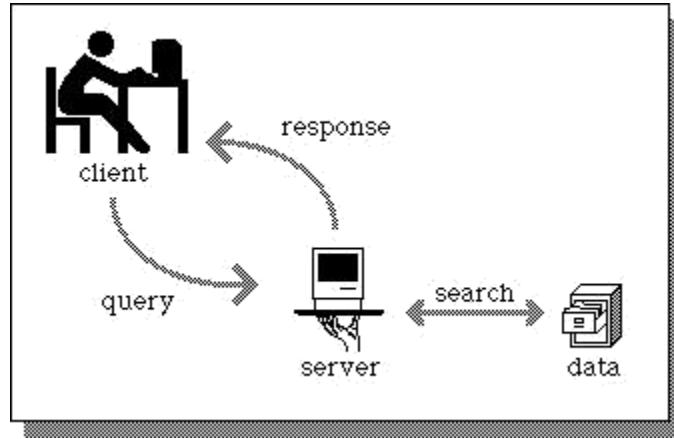
A web browser (commonly referred to as a browser) is a software application for retrieving, presenting and traversing information resources on the World Wide Web.

The major web browsers are Google Chrome, Firefox, Internet Explorer, Opera, and Safari.

Client –Server Model

The client–server model is a distributed application structure in computing that partitions tasks or workloads between the providers of a resource or service, called servers, and service requesters, called clients. Often clients and servers communicate over a computer network. A server is a host that is running one or more server programs which share their resources with clients. A client requests a server's content or service function.





Web –Server

Web server refers to either the hardware (the computer) or the software (the computer application) that helps to deliver web content that can be accessed through the Internet. The most common use of web servers is to host websites, but there are other uses such as gaming, data storage or running enterprise application.

Working of different types of web pages

The different types of web pages are :

Advocacy: An advocacy web page is one sponsored by an organization to influence opinion. URL ends with .org

Business and marketing: It is one sponsored by a commercial enterprise to sell or market their services. URL ends with .com

News: It provides timely information about current events and issues.

Informational: This includes reports, research findings, schools and college information. URL ends with .edu or .gov.

Personal: It is created by an individual for his /her own personal need. URL has tilde(~).

General structure of a Web Page

A basic HTML page contains a Head section and a Body section. The contents of the head section are normally invisible in a web browser and mainly consists of some Metatags. The Body consist of those HTML elements that you want to have displayed in your browser.

```
<html>
<head>
</head>
<body>
</body>
</html>
```

Scripting language: A scripting language or script language is a programming language that supports the writing of scripts, programs written for a special runtime environment that can interpret and automate the execution of tasks which could alternatively be executed one-by-one by a human operator.

URL: A uniform resource locator (URL), also known as web address, is a specific character string that constitutes a reference to a resource. In most web browsers, the URL of a web page is displayed on top inside an address bar. An example of a typical URL would be "http://en.example.org/wiki/Main_Page".

Popular Search Engines

- Yahoo Search
- Google Search
- Bing
- Info.com
- Search.com
- Infospace

WWW: The World Wide Web (WWW) is a system of interlinked hypertext documents accessed via the Internet. With a web browser, one can view web pages that may contain text, images, videos, and other multimedia, and navigate between them via hyperlinks.

ILLUSTRATING HTML TAGS AND THEIR ATTRIBUTES

HTML: Hyper Text Markup Language is the most widely used language to write web pages. It is a markup language.

Hypertext : Refers to the way in which web pages are linked together.

Markup Language: The user simply markups a text document with tags that tell a web browser how to structure it to display.

Creating HTML document : To begin coding HTML user needs only two things:

1. A simple text editor (notepad).
2. A web browser.

Simple steps to create a basic HTML document:

1. Open notepad or another text editor.
2. At the top of the page type <html>
3. Add the opening header tag <head>
4. On the next line type <title> give title for page </title>
5. Go to next line and type closing header tag </head>
6. Go to next line and type opening body tag<body>
7. Go to next line and type closing body tag</body>
8. Finally, go to next line and type</html>
9. In the file menu,choose save as.
10. In the save as type option box,choose all files.
11. Name the file filename.html
12. Click save.

HTML document structure: An HTML document starts and ends with <html> and </html> tags. These tags tell the browser that the entire document is composed in HTML. Inside these two tags, the document is split into 2 sections:

1. The <head>.....</head> elements contains information about the document such as title of the document etc.
2. The <body>.... </body> elements contains the real content of the document that you see on your screen.

ATTRIBUTES:

An attribute is used to define the characteristics of an element and is placed inside the element's opening tag. All attributes are made up of 2 parts: a name and a value.

- The name is the property you want to set.
- The value is what you want the value of the property to be.

Example:

Exercises

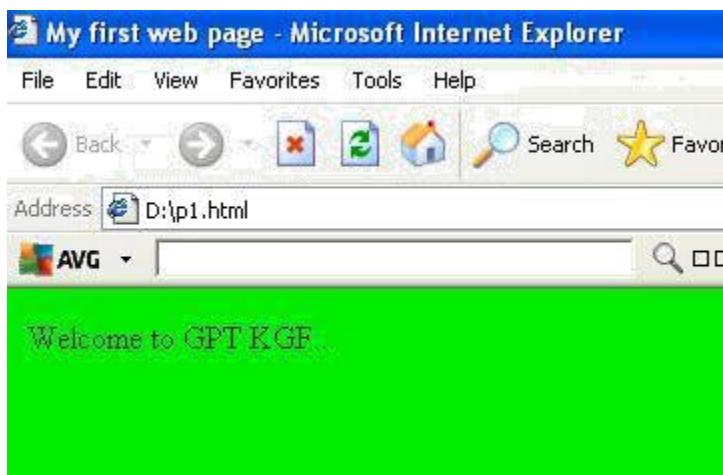
- 1. Design a page having suitable background colour and text colour with title “My First Web Page” using all the attributes of the Font tag.**

Procedure:

1. Go to start ->all program – >accessories-> notepad.
2. Type the html code.
3. Include title ”my first web page” in title tag.
4. Set the background for the webpage by using bgcolor attributes of the body tag.
5. Use font tag to display text.
6. Go to file->save->save the file with html extension.
7. Run the html code using browser.

```
<html>
<head>
<title>My first web page</title>
</head>
<body bgcolor="green">
<font size="16" color="white" face="Arial"> Welcome to AITS, TIRUPATI...</font>
</body>
</html>
```

*******output*******



2. Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.

Procedure:

1. Go to start ->all program ->accessories-> notepad
2. Type the html code
3. Align [name,age]to center by using align =”left ” of <p> tag
4. Align [register,number,class] to right using align=”right” of <p> tag
5. Go to file-> save->save the file with html extension
6. Run the html code using browser

```
<html>
<head>
<title>program 02</title>
</head>
<body>
<p align="center">
Name: AITS<br>
Age: 16
</p>
<p align="right">
Address: Aghraharam post TIRUPATI<br> Phone:
123535615
</p>
<p align="left">
Reg No:
20AK1A0501<br>
Class:2nd Sem C's
</p>
</body>
</html>
```

WEB DESIGN LAB MANUAL

*****output*****



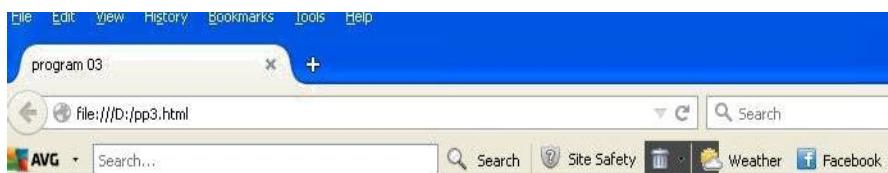
3. Write HTML code to design a page containing some text in a paragraph by giving suitable heading style.

Procedure:

1. Go to start ->all program -> accessories-> notepad
2. Type the html code
3. Use<h1> to<h6>tag to display heading
4. Use <p> tag for the paragraph
5. Go to file- >save->save the file with html extension
6. Run the html code html using browser

```
<html>
<head>
<title>program 03</title>
</head>
<body>
<center>
<h1>Basic Web design Lab</h1>
</center>
<h2 align="left"> Definition </h2>
<h3 align="left">Website</h3>
<p>
A set of inter connected web pages usually including a home page and many other web pages
</p>
</body>
</html>
```

*****output*****



Basic Web design Lab

Definition

Website

A set of inter connected web pages usually including a home page and many other web pages

4. Create a page to show different character formatting (B, I, U, SUB, SUP) tags.

viz : $\log_b m^p = p \log_b m$

Procedure:

1. Go to start ->all program – >accessories-> notepad
2. Type the html code
3. Include ****,**<u>**,**<sup>**,**<sub>**,tags
4. Go to file->save-> save the file with html extension
5. Run the html code using browsers

```
<html>
<head>
<title>program 04</title>
</head>
<body>
<p> <b> <i> log</i></b> <sub>b </sub>m<sup>p</sup> =p<b> <i> log </i>
</b><sub>b</sub> m</p>
</body>
</html>
```

*****output*****



$\log_b m^p = p \log_b m$

5. Write HTML code to create a Web Page that contains an Image at its centre.

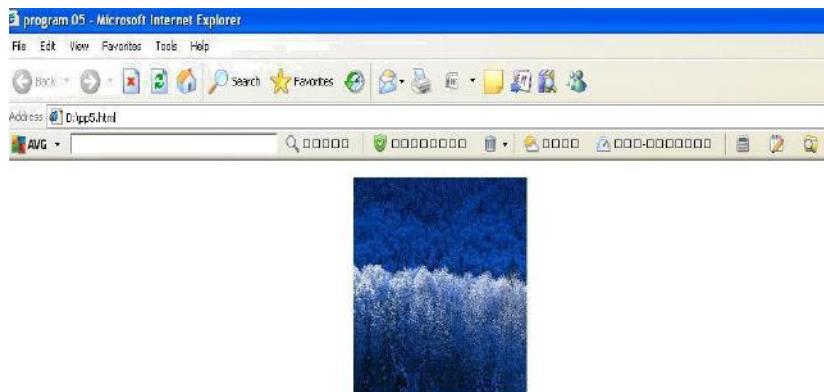
Procedure:

1. Go to start ->all program – >accessories-> notepad
2. Type the html code
3. Include tag inside <center> tag and set align attribute of img tag to middle
4. Go to file->save->save the file with html extension
5. Run the html code using browsres

```
<html>
<head>
<title>program 05</title>
</head>
<body>
<center>

</center>
</body>
</html>
```

*****output*****



6. Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open.

Procedure:

1. Go to start ->all programs-> accessories->notepad
2. Include tag inside<a> tag
3. Save the file as p1.html
4. Create another file
5. Type the html code
6. Save the file as p2.html
7. In <a> tag assign p2.html to href attribute
8. Go to file-> save->save the file with html extension
9. Run the html code using browsers

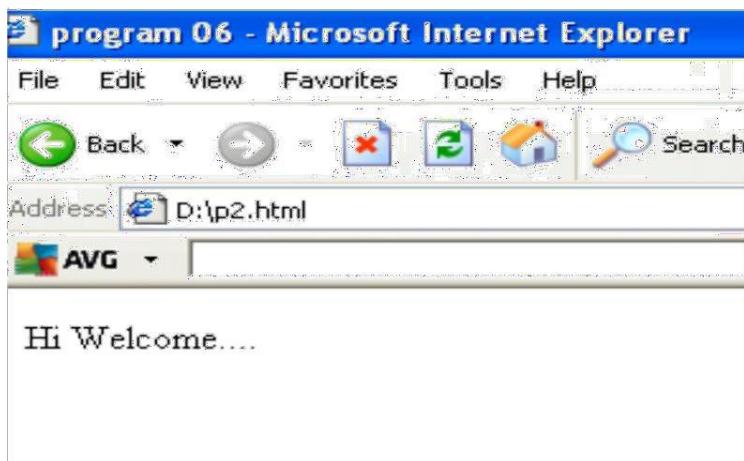
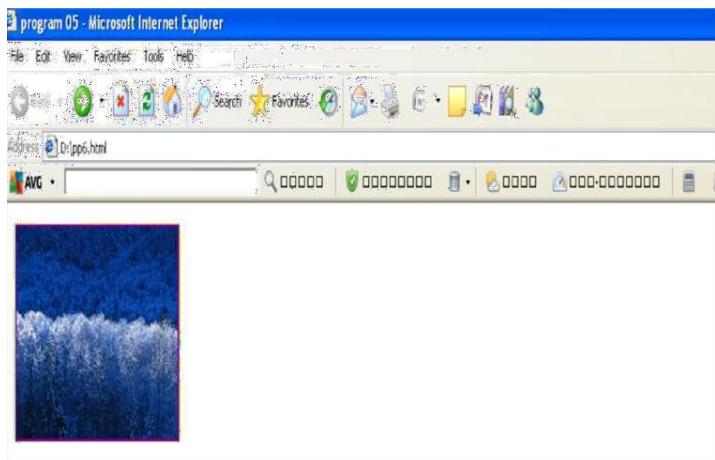
```
<html>
<head>
<title>program 05</title>
</head>
<body>
<a href="p2.html">

</a>
</body>
</html>
```

P2.html

```
<html>
<head>
<title>program 06</title>
</head>
<body> Hi Welcome... </body>
</html>
```

*****output*****



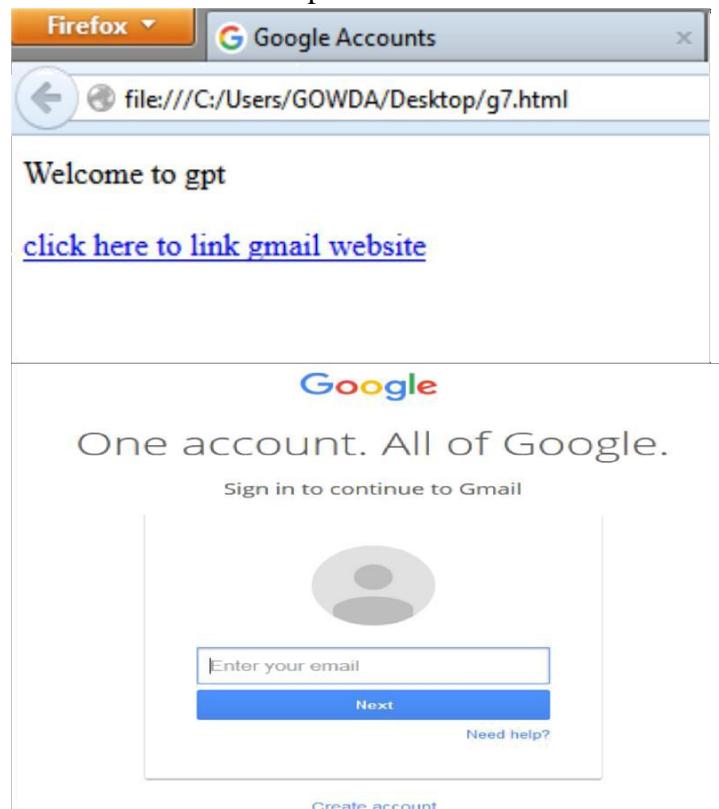
7. Create web Pages using Anchor tag with its attributes for external links. Procedure:

1. Go to start->all programs->accessories->notepad.
2. Create file called as p1.html
3. To provide external link between p1.html and gmail website use <a> in p1.html and mention url of gmail website in href attribute.
4. Save the file.
5. Run the p1.html file using browsers.
6. If we click on the link it should link to gmail website.

P1.html

```
<html>
<head><title>page 1</title>
</head>
<body>
<p>Welcome to AITS</p>
<a href="http://www.gmail.com">click here to link gmail website</a>
</body>
</html>
```

*****output*****



8. Create a web page for internal links; when the user clicks on different links on the web page it should go to the appropriate locations/sections in the same page.

Procedure:

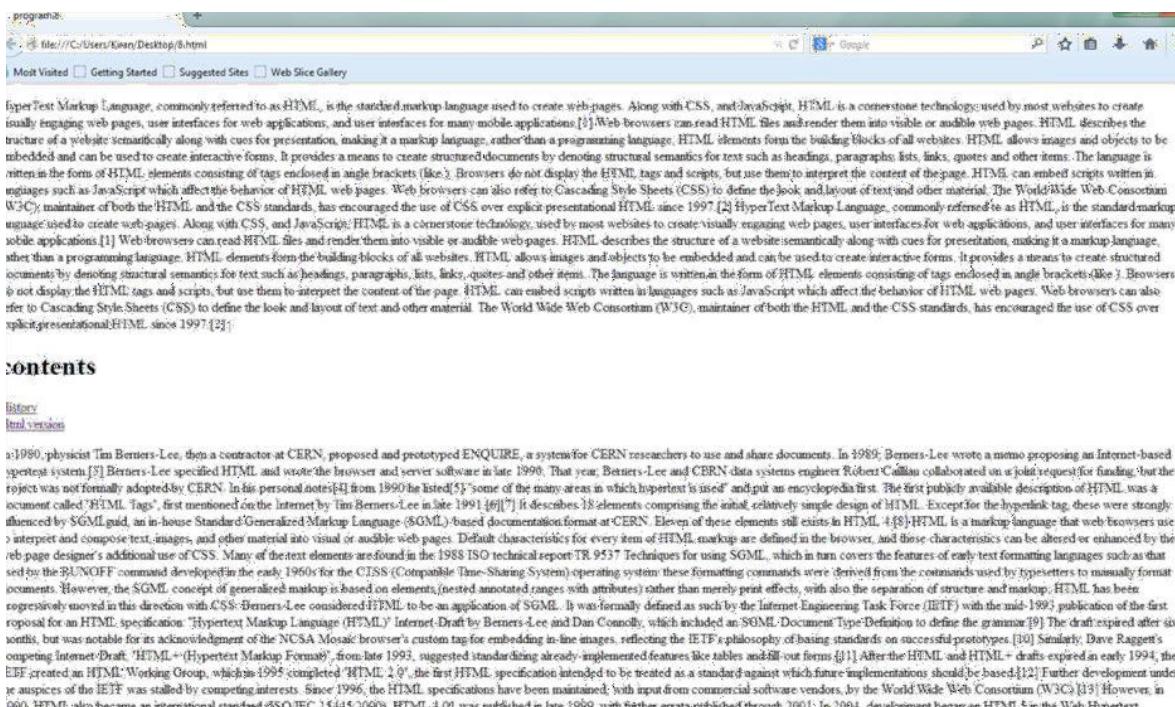
1. Go to start->all programs->accessories->notepad.
2. Type the html code.
3. First give name for the each section of the page by using name attribute of the tag (i.e)
4. To provide link for the sections use href="#name of section" in tag.
5. Go to file->save->save the file with .html extension.
6. Run the html code using browsers.

Note: Include paragraph means, include some text paragraph in <p> tag

```
<html>
<head><title>program 8</title></head>
<body>
<a name="home"></a>
<p>include paragraph
</p>
<h1>contents</h1>
<a href="#link1">History</a><br>
<a href="#link2">Html version</a><br>
<a name="link1"></a>
<p>include paragraph
</p><br>
<a name="link2"></a>
    html versions
<p>include paragraph
</p><br>
<a href="#home">home</a>
</body>
</html>
```

WEB DESIGN LAB MANUAL

*****output*****



contents

[History](#)
[HTML version](#)

In 1980, physicist Tim Berners-Lee, then a contractor at CERN, proposed and prototyped ENQUIRE, a system for CERN researchers to use and share documents. In 1989, Berners-Lee wrote a memo proposing an Internet-based hypertext system.^[3] Berners-Lee specified HTML and wrote the browser and server software in late 1990. That year, Berners-Lee and CERN data systems engineer Robert Caillau collaborated on a joint request for funding, but the project was not formally adopted by CERN. In his personal notes^[4] from 1990 he listed '3' some of the many areas in which hypertext is used' and put an encyclopedia first. The first publicly available description of HTML was a document called 'HTML Tags', first mentioned on the Internet by Tim Berners-Lee in late 1991.^{[6][7]} It describes 18 elements comprising the initial, relatively simple design of HTML. Except for the hyperlink tag, these were strongly influenced by SGML, a standard Generalized Markup Language (SGML)-based documentation format at CERN. Eleven of these elements still exists in HTML 4.^[8] HTML is a markup language that web browsers use to interpret and compose text, images, and other material into visual or audible web pages. Default characteristics for every item of HTML markup are defined in the browser, and these characteristics can be altered or enhanced by the web page designer's additional use of CSS. Many of the text elements are found in the 1988 ISO technical report TR 9537 Techniques for using SGML, which in turn covers the features of early text-formating languages such as that used by the RJE/NODF command developed in the early 1960s for the CTS (Compatible Time-Sharing System) operating system; these formating commands were derived from the commands used by typesetters to manually format documents. However, the SGML concept of generalized markup is based on elements (nested annotated ranges with attributes) rather than merely print effects, with also the separation of structure and markup. HTML has been progressively moved in this direction with CSS. Berners-Lee considered HTML to be an application of SGML. It was formally defined as such by the Internet Engineering Task Force (IETF) with the mid-1993 publication of the first proposal for an HTML specification 'HyperText Markup Language (HTML)' Internet-Draft by Berners-Lee and Dan Connolly, which included an SGML Document Type Definition to define the grammar.^[9] The draft expired after six months, but was notable for its acknowledgement of the NCSA Mosaic browser's custom tag for embedding in-line images, reflecting the IETF's philosophy of basing standards on successful prototypes.^[10] Similarly, Dave Raggett's competing Internet-Draft 'HTML+' (HyperText Markup Format)^[11], from late 1993, suggested standardizing already-implemented features like tables and fill-out forms.^[11] After the HTML and HTML+ drafts expired in early 1994, the IETF created an HTML Working Group, which in 1995 completed 'HTML 2.0', the first HTML specification intended to be treated as a standard against which future implementations should be based.^[12] Further development under the auspices of the IETF was stalled by competing interests. Since 1996, the HTML specifications have been maintained, with input from commercial software vendors, by the World Wide Web Consortium (W3C).^[13] However, in 2000, HTML also became an international standard (ISO/IEC 15445:2000). HTML 4.01 was published in late 1999, with further errata published through 2001. In 2004, development began on HTML5 in the Web Hypertext Application Technology Working Group (WHATWG), which became a joint deliverable with the W3C in 2008, and completed and standardized on 28 October 2014.^[14]

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[HTML versions](#)

HTML versions timeline November 24, 1995 HTML 2.0 was published as IETF RFC 1866. Supplemental RFCs added capabilities: November 25, 1995: RFC 1867 (form-based file upload); May 1996: RFC 1942 (tables); August 1996: RFC 1980 (client-side image maps); January 1997: RFC 2070 (internationalization); January 14, 1997: HTML 3.2[15] was published as a W3C Recommendation. It was the first version developed and standardized exclusively by the W3C, as the IETF had closed its HTML Working Group in September 12, 1996.^[16] Initially code-named "Wilbur",^[17] HTML 3.2 dropped math formulas entirely, reconciled overlap among various proprietary extensions, adopted most of Netscape's visual markup tags. Netscape's `blink` element and Microsoft's `marquee` element were omitted due to a mutual agreement between the two companies.^[18] A markup for mathematical formulas similar to `math` in HTML was not standardized until 14 months later in MathML. December 18, 1997: HTML 4.0[18] was published as a W3C Recommendation. It offers three variations: `html`

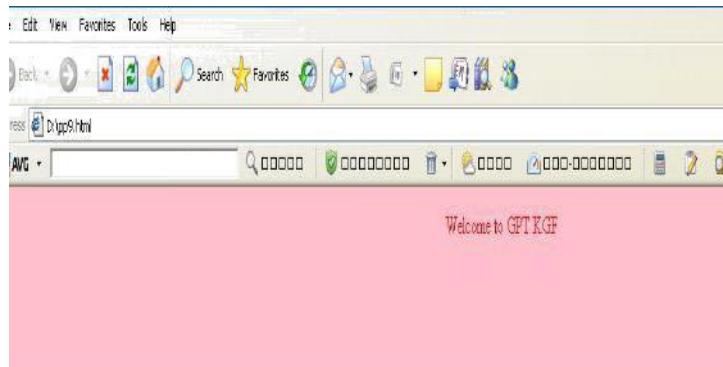
9. Write a HTML code to create a web page with pink color background and display moving message in red color.

Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Include bgcolor="pink" attribute in the body tag
4. Use font tag to display moving text in red color by setting color="red" attribute
5. Include marquee tag inside font tag to display moving text
6. Go to file ->save->save the file with html extension
7. Run the html code using browser

```
<html>
<head>
<title>program 09</title>
</head>
<body bgcolor="pink">
<font color="red"><marquee direction="left">
    Welcome to AITS TIRUPATI</marquee></font>
</body>
</html>
```

*****output*****



10. Create a web page, showing an ordered list of all second semester courses

(Subjects) Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Use ---- tag to display ordered list of all subject
4. Inside tag use -- tag to list each subject
5. Go to file ->save->save the file with html extension
6. Run the html code using browser

```
<html>
<head>
<title>program 09</title>
</head>
<body>
<ol>
<li>English </li>
<li>Maths-2</li>
<li>Digital Electronics & computer
fundamentals</li> <li>Basic Web design lab</li>
<li>multimedia lab</li>
<li>digital electronics</li>
</ol>
</body>
</html>
```

*******output*******



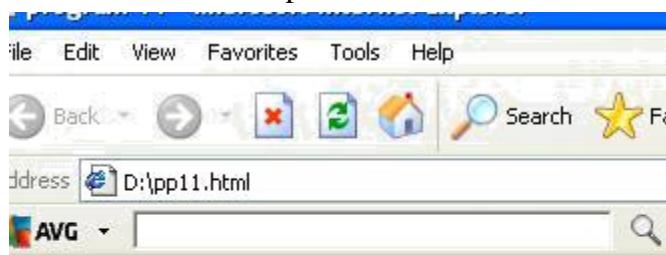
11. Create a web page, showing an unordered list of names of all the Diploma Programmes (Branches) in your institution.

Procedure:

1. Go to start- >all programs- >accessories->notepad
2. Type the html code
3. Use tag to display unordered list of names of all the branches
4. Inside tag use tag to list each branch
5. Go to file – >save –> save the file with html extension
6. Run the html code using browser

```
<html>
<head>
<title>program 11</title>
</head>
<body>
<ul>
<li> Computer science and Engg </li>
<li> Electronics and communication </li>
<li> Civil Engg </li>
<li> Mechanical Engg</li>
</ul>
</body>
</html>
```

*****output*****



- Computer science and Engg
- Electronics and communication
- Civil Engg
- Mechanical Engg

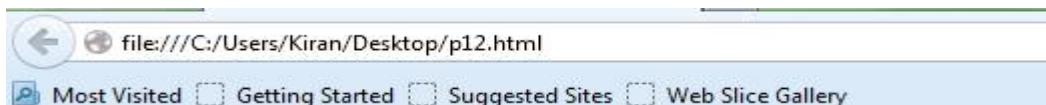
12. Create a HTML document containing a nested list showing a content page of any book.

Procedure:

1. Go to start->all programs->accessories->notepad.
2. Type the html code.
3. Include tag for naming the chapter of the contents page.
4. Within the previous tag includes another tag to mention the different section of the particular chapter.
5. Use tag for adding the list items.
6. Go to file->save->save the file with html extension.
7. Run the html code using browsers.

```
<html>
<head><title>program 12</title>
</head>
<body>
<ol type=1>
<li>chapter 1</li>
<ol type=1>
<li>section one</li>
<li>section two</li>
</ol type=1>
<li>chapter 2</li>
<ol type=1>
<li>section one</li>
<li>section two</li>
</ol>
</ol>
</body>
</html>
```

*****output*****



1. chapter 1
 1. section one
 2. section two
2. chapter 2
 1. section one
 2. section two

13. Create the following table in HTML with Dummy Data:

Reg. Number	Student Name	Year/Semester	Date of Admission

Procedure:

1. Go to start- all programs- accessories-notepad
2. Type the html code
3. Use<table>...</table> tag to draw table
4. Create 3 rows in the table by using <tr>...</tr> tag
5. In the first row create table heading by using <th>.....</th>tag
6. In the next 2 rows add the data by using <th>....</th>tag
7. Go to file ->save->save the with.html extension]
8. Run the html file using firefox browser

```
<html>
<head>
<title>program 13</title>
</head>
<body>
<table border= "1">
<tr>
<th> reg.number</th>
<th> student name</th>
<th> year/semester </th>
<th>date of admission</th>
</tr>
<tr>
<td> 20AK1A0501</td>
<td> suma</td>
<td> 2nd</td>
<td> 06/06/2012 </td>
</tr>
<tr>
<td> 20AK1A0502 </td>
<td> xyz</td>
<td>2nd</td>
<td> 07/07/2012 </td>
</tr>
</table>
</body>
</html>
```

*****output*****

program 13 - Microsoft Internet Explorer

The screenshot shows a Microsoft Internet Explorer window with the title "program 13 - Microsoft Internet Explorer". The menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains Back, Forward, Stop, Refresh, Home, Search, Favorites, and other icons. The address bar shows "D:\pp13.html" and a "Home" button. Below the address bar is a search bar with the AVG logo and a toolbar with various icons. The main content area displays a table with four columns: "reg.number", "student name", "year/semester", and "date of admission". The table has two rows of data.

reg.number	student name	year/semester	date of admission
169cs12035	suma	2nd	06/06/2012
169cs12036	xyz	2nd	07/07/2012

14. Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively.

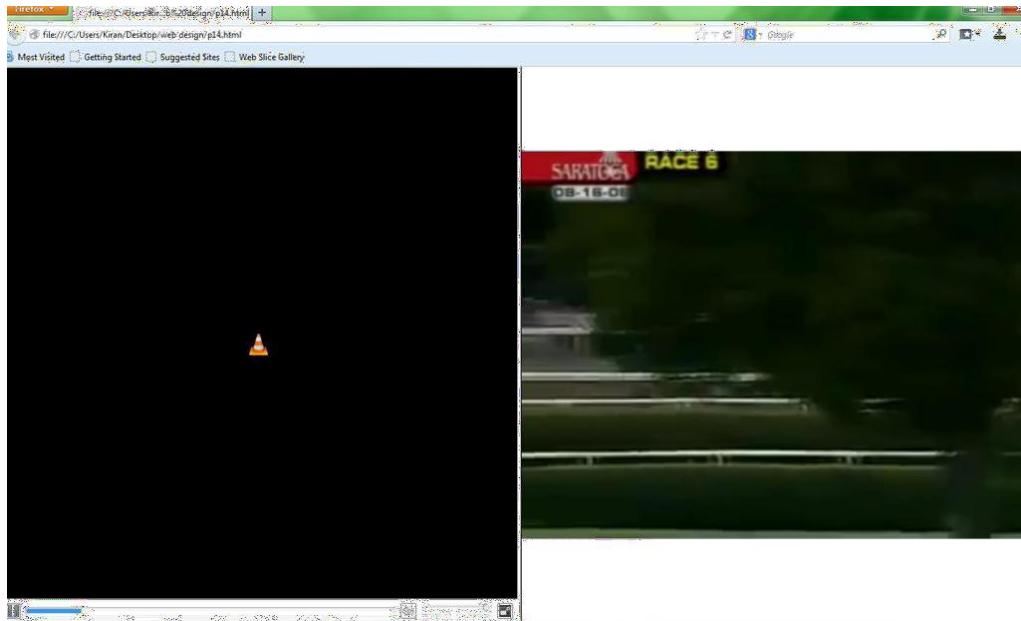
FRAME-1	FRAME-2
---------	---------

Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Use <frameset> tag to divide the webpage into 2 equal frames by setting cols = “*,*” attribute
4. In the first frame place audio clip by using <frame> tag
5. In the second frame place video clip by using another <frame> tag
Note : audio & video & file should be in same folder
6. Go to file -> save -> save the file with html.extension
7. Run the html file using Firefox browser

```
<html>
<frameset cols="*,*">
<frame src="Horse-neighing.mp3">
<frame src="ARRRRR Horse.mp4-2.mp4">
</frameset>
</html>
```

*****output*****



15.Create a web page which should generate following output:

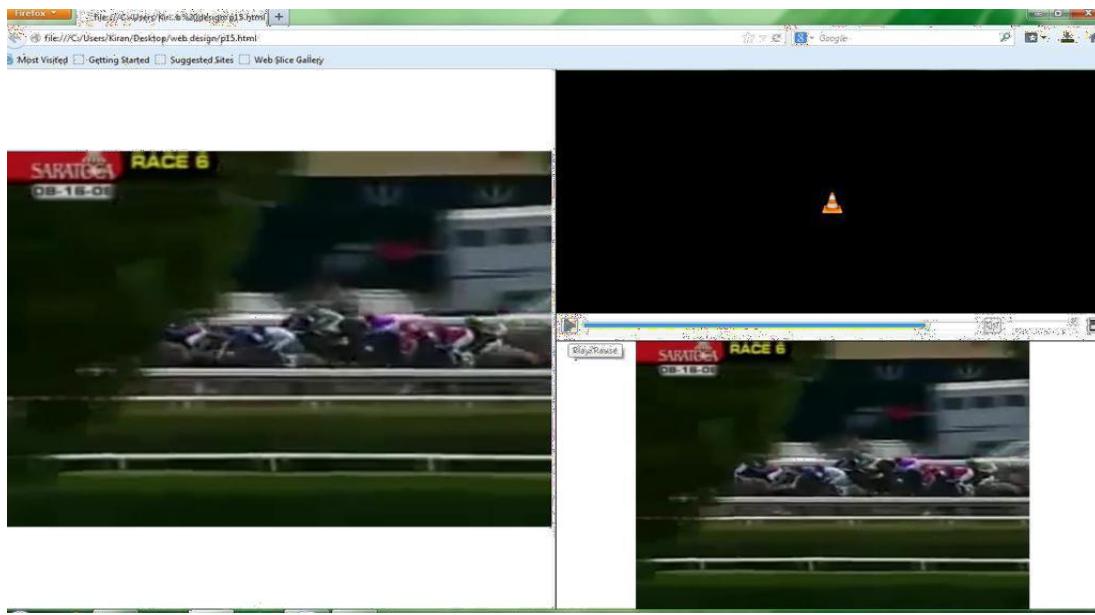
FRAME-1	FRAME-2	FRAME-3

Procedure:

1. Go to start->all programs->accessories->notepad
 2. Type the html code
 3. Use <frameset> tag to divide the webpage into 2 equal frames by setting cols="*,*" attribute
 4. In the first frame place video clip by using <frame> tag
 5. Again divide the second frame into 2 equal rows using rows="50%,50%" in another frameset tag
 6. Place one audio and video clip in other 2 frames.
-
7. Go to file ->save ->save the file with html extension
 8. Run the html file using Firefox browser

```
<html>
<frameset cols="*,*">
<frame src="ARRRRR Horse.mp4-2.mp4" name="left">
<frameset rows="50%,50%">
<frame src="Horse-neighing.mp3" name="topright">
<frame src="ARRRRR Horse.mp4-2.mp4" name="topbottom">
</frameset>
</frameset>
</html>
```

*****output*****



**16. Create a web page using Embedded CSS and
multimedia Procedure:**

1. Go to start- >all programs-> accessories->notepad
2. Type the html code
3. Use<style> tag for css to apply styles for body, h1, p tags
4. Include audio file by using <audio> tag

7. Go to file → save → save the file with html extension
- 8 . Run the html file using firefox browser

```
<html>
<body>
<style>
body {
    background-color:blue;
}
h1 {
    color:orange;
    text-align:center;
}
p {
    font-family: "Times New Roman";
    font-size: 20px;
}
</style>
<h1>My First CSS Example</h1>
<p>This is a audio.</p>
<audio controls>
<source src="Horse-neighing.mp3">
</audio>
</body>
</html>
```

WEB DESIGN LAB MANUAL

*****output*****



17. Use tables to provide layout to your HTML page describing your college infrastructure.

Procedure:

- 1.Go to start- >all programs-> accessories->notepad
- 2.Type the html code
- 3.Use<table> tag to make table
- 4.Use<tr> tag to make table row
- 5.Use<td> tag for inserting table data
6. Use bgcolor to heading tag to make background color to pink and Use colspan = "2" to make merge of 2 columns.
7. Valign="top" to make table row data in the top
- 8.Go to file ->save ->save the file with html extension
- 9.Run the html file using Firefox browser or Chrome

Program:

```
<html>
  <head>
    <title>AITS COLLEGE INFRASTRUCTURE</title>
  </head>
  <body>
    <table width = "100%" border = "0">
      <tr>
        <td colspan = "2" bgcolor = "pink">
          <center><h1>AITS COLLEGE INFRASTRUCTURE</center></h1>
        </td>
      </tr>
      <tr valign = "top">
        <td bgcolor = "linen" width = "50">
          <b>DEPARTMENTS</b><br><br>
          1.COMPUTER SCIENCE AND ENGINEERING<br>
          2.ELECTRONICS COMMUNICATION AND ENGINEERING<br>
          3.CIVIL ENGINEERING<br>
          4.MECHANICAL ENGINEERING <br>
        </td>
      </tr>
    </table>
  </body>
</html>
```

5.ELECTRICAL ELECTRONICS AND ENGINEERING


```
</td>

<td bgcolor = "lightblue" width = "100" height = "200">

    LABS AND CLASSROOMS

</td>

</tr>

<tr>

<td colspan = "2" bgcolor = "#b5dcb3">

<center>

    Department of CSE

</center>

</td>

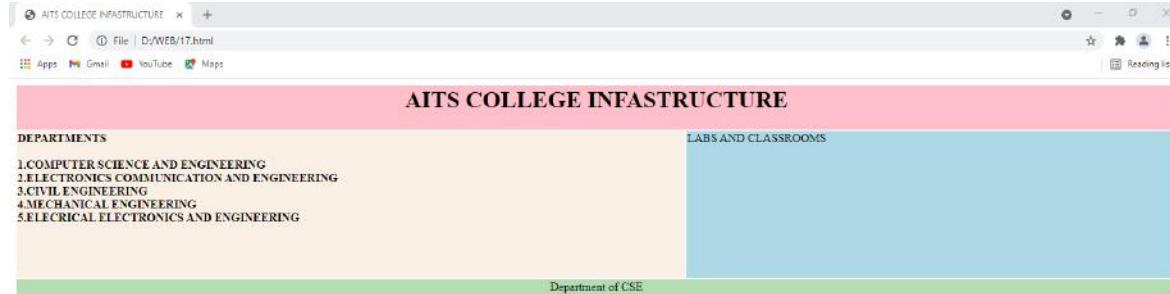
</tr>

</table>

</body>

</html>
```

Output:



18. Use ``and `<div>` tags to provide a layout to the above page instead of a table layout.

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Type the html code
3. `` tag is an inline container used to mark up a part of a text,
4. we use `` tag to change the color of the text in the particular position in the program.
5. `<div>` tag defines a division or a section in an HTML document.
6. With the help of div tag we created class and call the style elements form the head with

- .(dot) Specifier and class name
7. Add necessary styles in <style> tag that may reflected to class
 8. Go to file → save → save the file with html extension
 9. Run the html file using Firefox browser or Chrome

Program:

```
<!DOCTYPE html>

<html>
<head>
<style>
.myDiv {
    border: 5px outset red;
    background-color: lightblue;
    text-align: center;
}
</style>
</head>
<body>

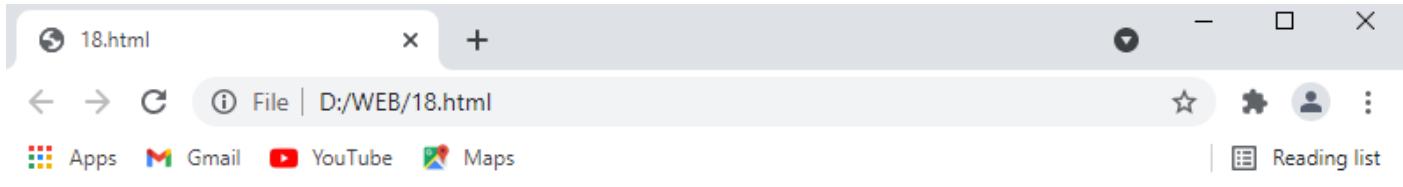
<h1>The div element</h1>

<div class="myDiv">
    <h2>This is a heading in a div element</h2>
    <p>This is some text in a div element.</p>
</div>
<p>My mother has <span style="color:blue;font-weight:bold">blue</span> eyes and my father has <span style="color:darkolivegreen;font-weight:bold">dark green</span> eyes.</p>
<p>This is some text outside the div element.</p>
```

```
</body>
```

```
</html>
```

OUTPUT:



The div element

This is a heading in a div element

This is some text in a div element.

My mother has **blue** eyes and my father has **dark green** eyes.

This is some text outside the div element.

19. Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks.

Procedure:

Frames

1. Create an HTML file with name main-frame.html.
2. Create Frames by using Frameset tag.
3. In Frameset tag create three frames for 1 columns and 2 rows.
4. In the left column frame load html file left-frame.html.
5. In the right column frame load html file right-top-frame.html for the Content.
6. In the right column frame load html file right-bottom-frame.html for the remarks.
7. Close the html file.

Save file as main-frame.html

```
<!DOCTYPE html>

<html>

  <head>

    <title>HTML Frames</title>
```

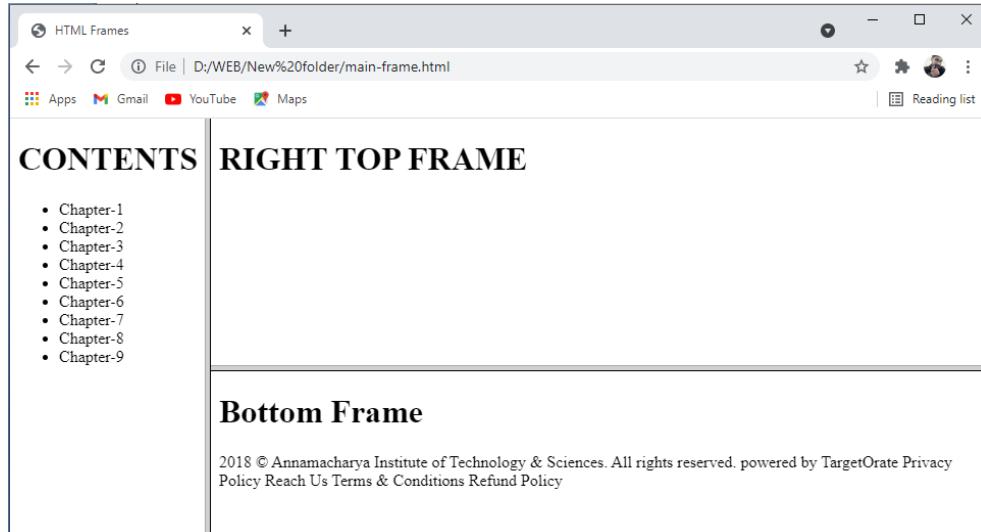
```

</head>

<frameset cols="20%,*">
    <frame src="left-frame.html">
    <frameset rows="60%,*>
        <frame src="right-top-frame.html">
        <frame src="right-bottom-frame.html">
    </frameset>
</frameset>
</html>

```

Output:



Save file as left-frame.html

```

<!DOCTYPE html>
<html>
    <head>
        <title>HTML Frames</title>
    </head>
    <body>
        <h1>CONTENTS</h1>

```

```
<ul>

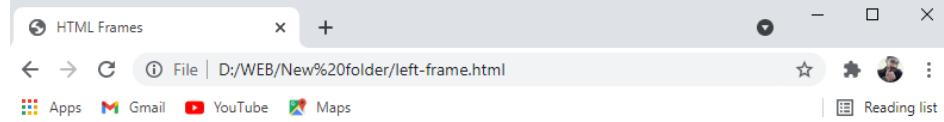
    <li>Chapter-1</li>
    <li>Chapter-2</li>
    <li>Chapter-3</li>
    <li>Chapter-4</li>
    <li>Chapter-5</li>
    <li>Chapter-6</li>
    <li>Chapter-7</li>
    <li>Chapter-8</li>
    <li>Chapter-9</li>

</ul>

</body>

</html>
```

Output:



CONTENTS

- Chapter-1
- Chapter-2
- Chapter-3
- Chapter-4
- Chapter-5
- Chapter-6
- Chapter-7
- Chapter-8
- Chapter-9

Save file as right-top-frame.html

```
<!DOCTYPE html>

<html>

<head>

    <title>HTML Frames</title>

</head>

<h1>RIGHT TOP FRAME</h1>
```

```
</html>
```

Output:



RIGHT TOP FRAME

Save file as right-bottom-frame.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>HTML Frames</title>
```

```
  </head>
```

```
  <body>
```

```
    <h1>Bottom Frame</h1>
```

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```
  </body>
```

```
</html>
```

Output:



Bottom Frame

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20. Embed Audio and Video into your HTML web page.

Procedure:

1. Go to start- >all programs-> accessories->notepad
2. Type the html code
3. <div> tag defines a division or a section in an HTML document.
4. Use Video (autoplay, controls, controls muted)tag
5. Add source src link from the system
6. Use Audio tag from the system
7. Add source src link from the system
8. Add necessary styles in <style> tag that may reflected to class and image as background
9. Go to file ->save ->save the file with html extension
10. Run the html file using Firefox browser or Chrome

Program:

Save as audi_video.html

```
<html>

<head><title>AUDIO/VIDEO</title>

<style>

body{

background-image:url('huts.jpg');

background-size:100% 100%;

}

.video{

color:white;

text-align:center;

}

.audio{

color:white;

text-align:left;

}

</style>
```

```
</head>

<body>

<div class="video">

<h2><i> <u>Video's</u></i> </h2>

<!--Video Muted -->

<video controls muted>

<source src="D:\video\inspire.mp4" type="video/mp4">

</video>

<!--Video Autoplay-->

<video width="320" height="240" autoplay>

<source src="D:\video\inspire.mp4" type="video/mp4">

</video>

<video controls>

<source src="D:\video\inspire.mp4" type="video/mp4"

type="video/mp4">

</video>

</div>

<br>

<div class="audio">

<h2><i> <u>Audio</u></i> </h2>

<!--AUDIO Autoplay-->

<audio controls>

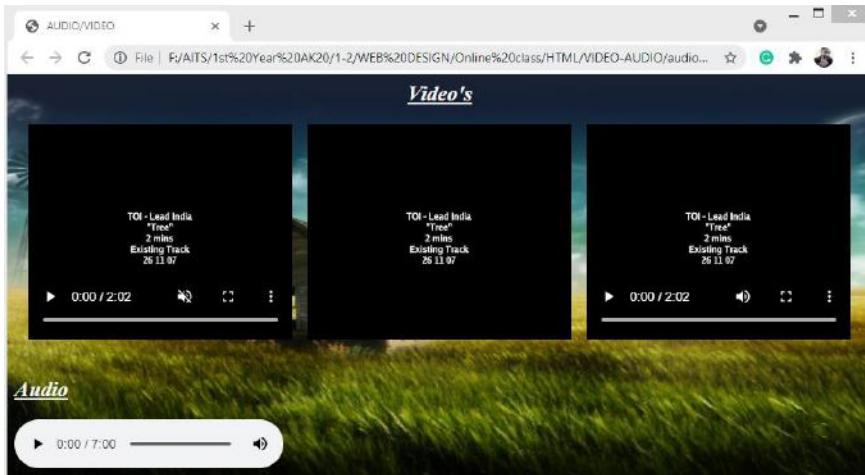
<source src="D:\my music\final.mp3"

type="audio/mp3">

</audio>
```

```
</div>  
</body>  
</html>
```

Output:



21. Create a webpage with HTML describing your department use paragraph and list tags.

PROGRAM LOGIC:

Describing department using Paragraph and list tags.

1. Create the HTML file.
2. Create Paragraph tag in the body section.
3. Create list tag in the body section.
4. Add list items in the list.
5. Apply color attribute to the tags.
6. Close paragraph tag, list tag and body section.
7. Close the HTML file.

Program:

```
<html>  
<head>  
<title> Basic Html Tags</title>  
<meta name="description" content="Web Programming">  
<meta name="keywords" content="HTML,CSS,XML,JavaScript">  
<meta name="author" content="SITTTR">  
<meta charset="UTF-8">  
</head>  
<body>  
<marquee > Basic HTML Tags</marquee>  
<center><FONT COLOR="#FF0000" size=5> Heading Tags => font size-18 pt, colour-RED  
</FONT></center>  
<h1 align="center"> Heading H1 - 24 pt</h1>  
<h2 align="right"> Heading H2 - 18 pt</h2>  
<h3 align="left"> Heading H3 - 12 pt bold</h3>  
<h4> Heading H4 - 12 pt</h4>  
<h5> Heading H5 - 10 pt </h5>
```

```
<h6> Heading H6 - 7 pt </h6>
<font size=7> font size-36 pt, </font>
<font size=6> font size-24 pt, </font>
<font size=5> font size-18 pt, </font>
<font size=4> font size-12 pt bold, </font>
<font size=3> font size-12 pt plain, </font>
<font size=2> font size-9 pt. </font>

<hr>

<center><FONT COLOR="#00FF00" size=4> Text Elements => font size-12 pt, colour-GREEN
</FONT> </center>
<p>This is a paragraph tag.
    HTML 5
    One of the most important technologies on this list doesn't fully exist yet — HTML 5 — but
in 2008, key features started to trickle out.

</p>

<hr>

<center><FONT COLOR="#0000FF"> Line break Tags => colour-BLUE </FONT></center>
This is a long piece of text consisting of three<BR>
sentences and shows you the functions of the<BR>
Line Break tag. This tag is used quite frequently<BR>
to add line breaks in the HTML code. It is also used<BR>
to add blank lines to a document.<BR>

<hr>

<center><FONT COLOR="#0000FF"> BLOCK QUOTE Tags</FONT></center>
<p>This is some text before the quotation.</p>
<blockquote>This is a long blockquote created with the <blockquote> tag.</blockquote>
</blockquote>

<hr>

<center><FONT COLOR="#0000FF"> PRE Tags</FONT></center>
<pre>
    JAVA
    OOPS LAB
    WEB LAB
</PRE>
```

```
<hr>

<center><FONT COLOR="#0000FF"> Listing Tags</FONT></center>
<h4>Numbered list:</h4>
<ol>
    <li>java</li>
    <li>perl</li>
    <li>c++</li>
</ol>
<h4>Letters list:</h4>
<ol type="A">
    <li>smtp</li>
    <li>http</li>
    <li>ftp</li>
</ol>
<h4>Lowercase letters list:</h4>
<ol type="a" start="2">
    <li>php</li>
    <li>javascript</li>
    <li>ajax</li>
</ol>
<h4>Roman numbers list:</h4>
<ol type="I">
    <li>DTE</li>
    <li>JCTE</li>

    <li>SITTTR</li>
</ol>
<h4>Lowercase Roman numbers list:</h4>
<ol type="i" start="4" >
    <li>Computer Engg.</li>
    <li>Mechanical Engg.</li>
    <li>Electronics Engg.</li>
</ol>
<h3>Here is a nested ordered list:</h3>
<ol type="I">
    <li>Module 1</li>
    <li>Module 2
        <ol type="i">
            <li>Module 2.1</li>
            <li>Module 2.2</li>
        </ol>
    </li>
    <li>Module 3</li>
</ol>

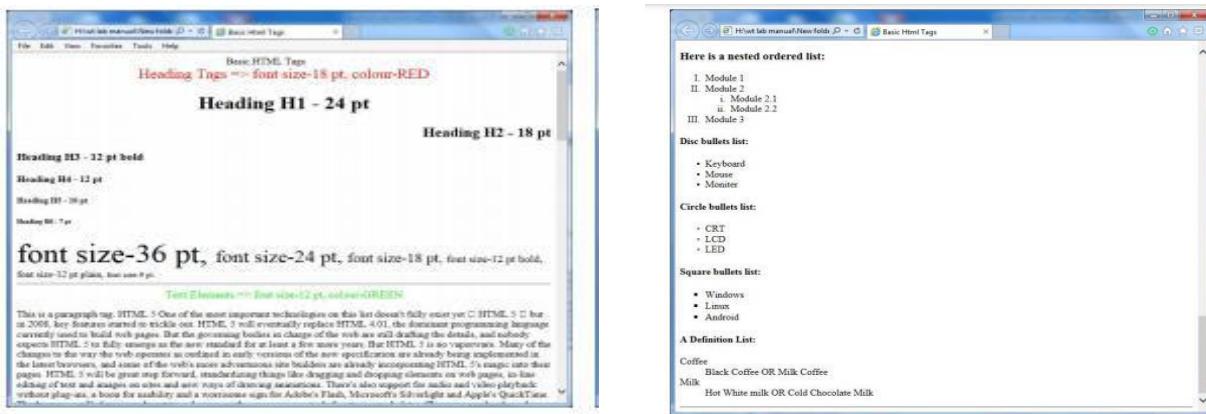
<h4>Disc bullets list:</h4>
<ul type="disc">
    <li>Keyboard</li>
    <li>Mouse</li>
    <li>Moniter</li>
</ul>
```

```

<h4>Square bullets list:</h4>
<ul type="square">
<li>Windows</li>
<li>Linux</li>
<li>Android</li>
</ul>
<h4>A Definition List:</h4>
<dl>
<dt>Coffee</dt>
<dd>Black Coffee OR Milk Coffee</dd>
<dt>Milk</dt>
<dd>Hot White milk OR Cold Chocolate Milk</dd>
</dl>
<hr>
</body>
</html>

```

Output:



22. Apply various colors to suitably distinguish key words, also apply font styling like italics, underline and two other fonts to words you find appropriate, also use header tags.

Procedure:

1. Go to start->all programs->accessories->notepad
2. Type the html code
3. Use style tag and apply font style, font size, and text decoration and apply background color to yellow.
4. <div> tag defines a division or a section in an HTML document.
5. Go to file ->save ->save the file with html extension
6. Run the html file using Firefox browser or Chrome

Program:

```

<html >

<head>

<title>Font Elements</title>

<style>

body { font-family: Verdana, sans-serif; background-color:yellow; }


```

```
h1 { font-size: 450%; }

p{ font-style : italic; }

.underline{text-decoration: underline}

.overline{text-decoration: overline}

.linethrougn{text-decoration:line-through}

.bold{font-weight:900}

</style>

</head>

<body bgcolor="green">

<font color="white">Welcome to WEB-PAGE</font>

<h1>Heading in verdana family and with font size 450</h1>

<p>Paragraph in Italic style</p>

<div class="bold">

<div class="underline">

<p>Underline Text</p>

</div>

<div class="overline">

<p>Overline Text</p>

</div>

<div class="linethrougn">

<p>Overline Text</p>

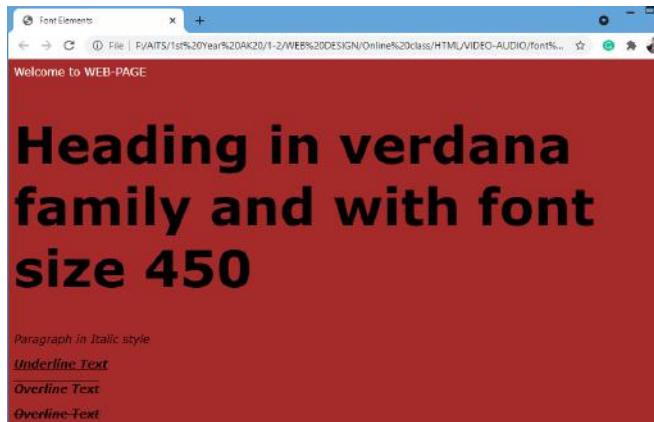
</div>

</div>

</body>

</html>
```

OUTPUT:



23. Create links on the words e.g. –Wi-Fi and –LAN to link them to Wikipedia pages.

Procedure:

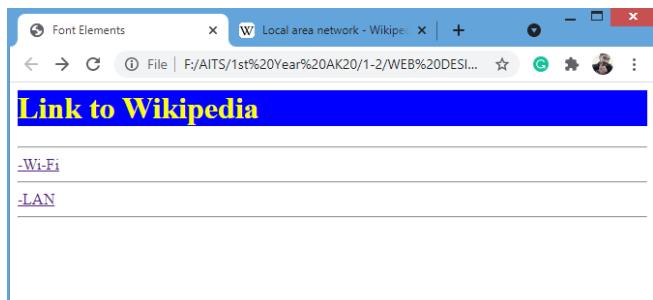
1. Go to start->all programs-> accessories->notepad
2. Type the html code
3. Use anchor <a> tag to create a link to Wikipedia
4. Go to file ->save ->save the file with html extension
5. Run the html file using Firefox browser or Chrome

Program:

```
<html>
<head>
<title>Font Elements</title>
</head>
<body>
<h1 style="background-color:blue;color:yellow">Link to Wikipedia</h1>
<hr>
<a href="https://en.wikipedia.org/wiki/Wi-Fi">-Wi-Fi</a>
<hr>
<a href="https://en.wikipedia.org/wiki/Local_area_network">-LAN</a>
<hr>
</body>
```

```
</html>
```

Output:



24. Insert an image and create a link such that clicking on image takes user to other page.

Procedure:

1. Go to start ->all programs-> accessories->notepad
2. Include tag inside<a> tag
3. Save the file as p1.html
4. Create another file
5. Type the html code
6. Save the file as program2.html
7. In <a> tag assign program2.html to href attribute
8. Go to file-> save->save the file with html extension
9. Run the html code using browsers

Program:

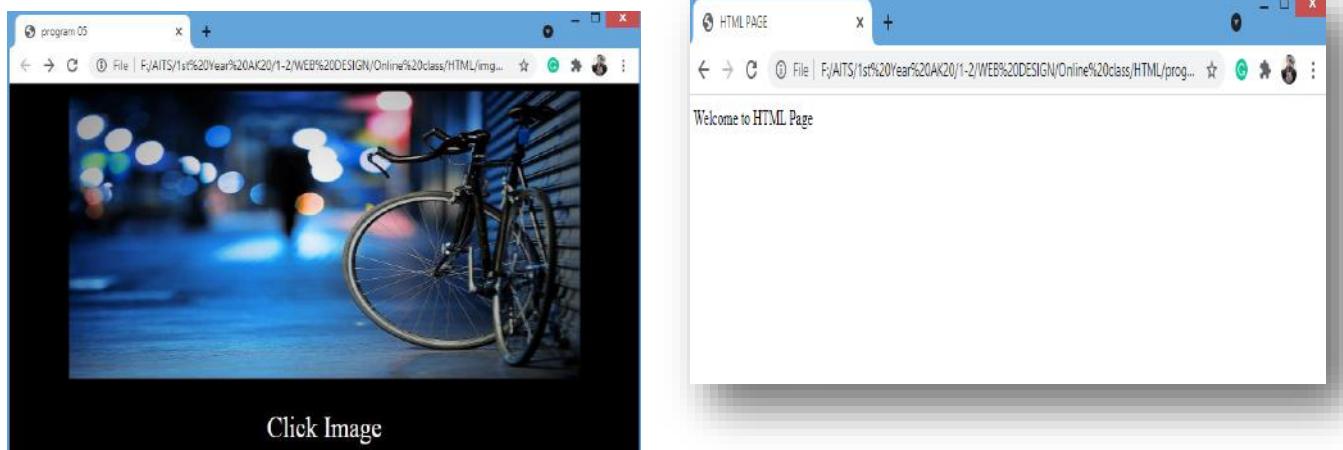
```
<html>
<head>
<title>program 24</title>
</head>
<body style="background-color:black;">
<center>
<a href="program2.html">

</a>
<font size=6px>
<p style="color:white">Click Image</p>
</font>
</center>
</body>
</html>
```

program2.html

```
<html>
<head>
<title>Another HTML Page</title>
</head>
<body>welcome to HTML page</body>
</html>
```

Output:



25. Change the background color of the page; At the bottom create a link to take user to the top of the page.

Procedure:

1. Go to start ->all program → accessories-> notepad
2. Type the html code
3. Use<h1> to<h6>tag to display heading
4. Use <p> tag for the paragraph
5. First give name for the each section of the page by using name attribute of the <a>tag (i.e)
6. To provide link for the sections use href="#"name of section" in<a> tag.
7. Go to file- >save->save the file with html extension
8. Run the html code html using browser

Program:

```
<html>
<head>
<title>program 05</title>
</head>
<body style="background-color:yellow;">
<center>
<h1 style="color:blue;"> Annamacharya Institute of Technology & Sciences, Tirupati <br>
(Autonomous) </h1>
```

<p style="color:blue;">Approved by AICTE, New Delhi & Permanent Affiliation to JNTUA, Anantapuramu.

Two B.Tech Programmes (CSE & ECE) are accredited by NBA, New Delhi.

Accredited by NAAC with 'A' Grade, Bangalore. Accredited by Institution of Engineers (India), KOLKATA.

A-grade awarded by AP Knowledge Mission. Recognized under sections 2(f) & 12(B) of UGC Act 1956.</p>

</center>

<h1 style="background-color:red"><marquee>Welcome to AITS WEB PAGE</marquee></h1>

<p style="color:blue;text-align:left"><strong style="color:red">Artificial Intelligence and Data Science

<hr>

In recent years, Artificial Intelligence and Data Science has gained presence in all areas of life.
Data science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge, insights from heterogeneous data using artificial intelligence. This programme seeks to determine the importance of Artificial Intelligence and Data Science and its real-time applications in all aspects of life.

The B.Tech program in Artificial Intelligence and Data Science is started in the academic year 2020 – 21 with an intake of 60 and has increased the intake to 120 from the academic year 2021 – 22.

</p>

<p><strong style="color:red">Computer Science and Engineering (CSE)<hr>

M.Tech (Computer Science and Engineering) is a two year full time post-graduate programme approved by the All India Council of Technical Education (AICTE) for the students who have a B.E / B. Tech in any branch of engineering, M.Sc and M.C.A. The course is offered by the Department of Computer Science & Engineering by highly qualified and experienced teaching faculty. Intake to this course is 18 admitted through J N T University's.

The B.Tech CSE Programme was accredited by NBA first time under tier – II in 2016 and further extension of accreditation in granted up to June 2023.</p>

```

</font>

<h3><a href="#up">Click here to go UP</a></h3>

</body>

</html>

```

Output:



26. Develop static pages (using only HTML) of an online book store, the pages should resemble: www.amazon.com, the website should consist the following pages, home page, registration and user login, user profile page, books catalog, shopping cart, payment by credit card, order confirmation.

Procedure:

Top.html:

```

<html>

<body bgcolor="pink">

<br><br>

<marquee><h1 align="center"><b><u>ONLINE BOOK

STORAGE</u></b></h1></marquee>

</body>

</html>

```

Right.html:

```
<html>
```

```
<body bgcolor="gray">  
<br><br><br><br><br>  
<h2 align="center">  
<b><p> welcome to online book storage. Press login if you are  
having id otherwise press registration.  
</p></b></h2>  
</body>  
</html>
```

Left.html:

```
<html>  
<body bgcolor="gray">  
<h3>  
<ul>  
<li><a href="login.html" target="right"><font color="black">  
LOGIN</font></a></li><br><br>  
<li><a href="reg.html" target="right"><font color="black">  
REGISTRATION</font></a></li><br><br>  
<li><a href="profile.html" target="right"><font color="black">  
USER PROFILE</font></a></li><br><br>  
<li><a href="catalog.html" target="right"><font color="black">  
BOOKS CATALOG</font></a></li><br><br>  
<li><a href="scart.html" target="right"><font color="black">  
SHOPPINGCART</font></a></li><br><br>  
<li><a href="payment.html" target="right"><font color="black">  
PAYMENT</font></a></li><br><br>  
<li><a href="order.html" target="right"><font color="black">  
ORDER CONFIRMATION</font></a></li><br><br>  
</ul>
```

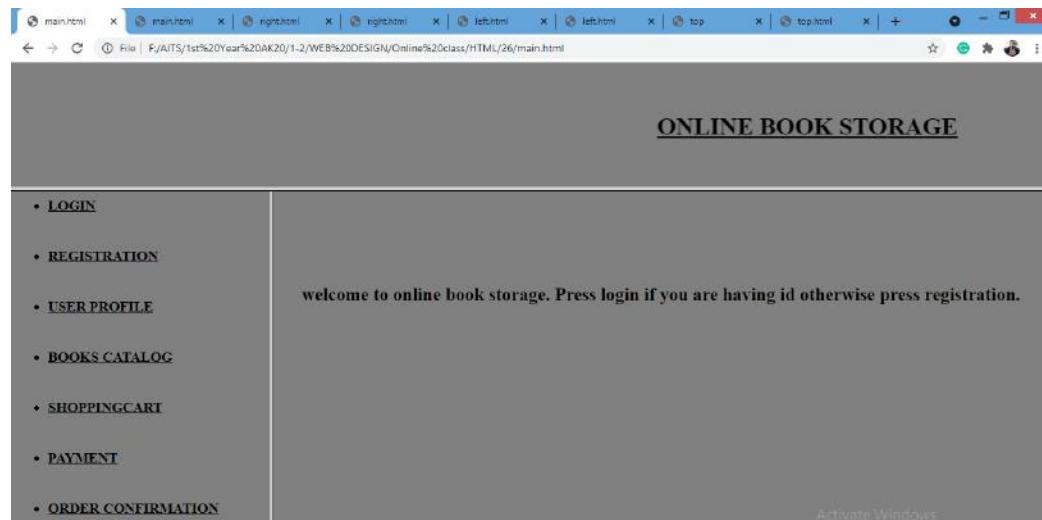
```
</body>
```

```
</html>
```

Main.html:

```
<frameset rows="25%, 75 %">  
  <frame src="top.html" name="top">  
  <frameset cols="25%,75%">  
    <frame src="left.html" name="left">  
    <frame src="right.html" name="right">  
  </frameset>  
</frameset>
```

Output:



Login.html:

```
<html>  
  <head>  
    <title>Form Tags</title>  
  </head>  
  <body bgcolor="gray">  
    <center>  
      <h1 style="color:white">LOGIN FORM</h1>
```

```

<!--input-->

<input type="text" placeholder="USER NAME"><br><br>

<!--password-->

<input type="password" placeholder="PASSWORD"><br><br>

<!--button-->

<input type="submit" value="Submit">

<input type="reset" value="clear">

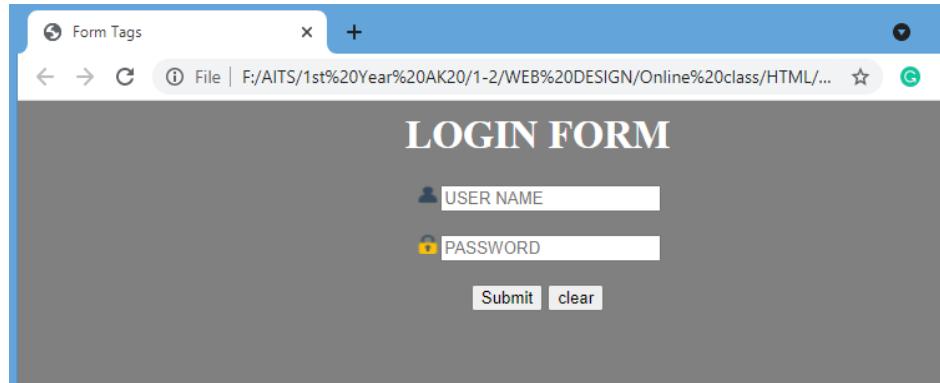
</center>

</body>

</html>

```

Output:



Book Catalog.html:

```

<html>

<body bgcolor="gray"><br><br><br>

<div align="center"><pre>

BOOK TITLE :<input type="text" name="title"><br>

</pre><br><br>

</div>

<br><br>

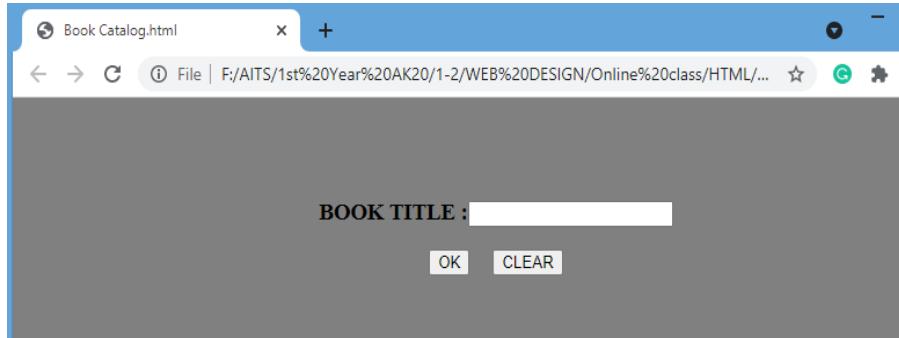
<div align="center">

<input type="submit" value="ok" name="button1">&nbsp;&nbsp;&nbsp;&nbsp;

```

```
<input type="reset" value="clear" name="button2">  
</body>  
</html>
```

Output:



Order.html:

```
<html>  
<body bgcolor="gray"><br><br><br>  
<h1 align="center">ORDER CONFIRMATION</h1>  
<div align="center"><table>  
<tr><td>LOGIN ID:</td><td><input type="text" name="id"></td></tr>  
<tr><td>TITLE:</td><td><input type="text" name="title"></td></tr>  
<tr><td>NO.OF BOOKS:</td><td><input type="text" name="no"></td></tr>  
<tr><td>COST OF BOOK:</td><td><input type="text" name="cost"></td></tr>  
<tr><td>DATE:</td><td><input type="text" name="date"></td></tr>  
</div>  
<br><br>  
<tr align="center"><td><input type="submit" value="ok" name="button1"></td>  
<td><input type="reset" value="clear" name="button2"></td></tr>  
</table>  
</body>  
</html>
```

Output:

The screenshot shows a web browser window titled "order.html". The page has a dark gray background and features a centered title "ORDER CONFIRMATION" in bold capital letters. Below the title is a form with five input fields. Each field has a label followed by a colon and a corresponding input box. The labels are: "LOGIN ID :", "TITLE :", "NO.OF BOOKS :", "COST OF BOOK :", and "DATE :". Below the input fields are two buttons: "ok" on the left and "clear" on the right.

LOGIN ID	:	<input type="text"/>
TITLE	:	<input type="text"/>
NO.OF BOOKS	:	<input type="text"/>
COST OF BOOK	:	<input type="text"/>
DATE	:	<input type="text"/>

ok **clear**

Payment.html:

```
<html>

<body bgcolor="gray"><br><br><br>

<form>

<div align="center">

<table>

<tr><td>LOGIN ID:</td><td><input type="text" name="id"></td></tr>

<tr><td>PASSWORD:</td><td><input type="password" name="pwd"></td></tr>

<tr><td>AMOUNT:</td><td><input type="text" name="amount"></td></tr>

<tr><td>CREDITCARDNUMBER:</td><td><input type="PASSWORD" name="num+"></td><br><br><br>

</div>

<tr><td><input type="submit" value="ok"></td>

<td><input type="reset" value="clear"></td></tr>

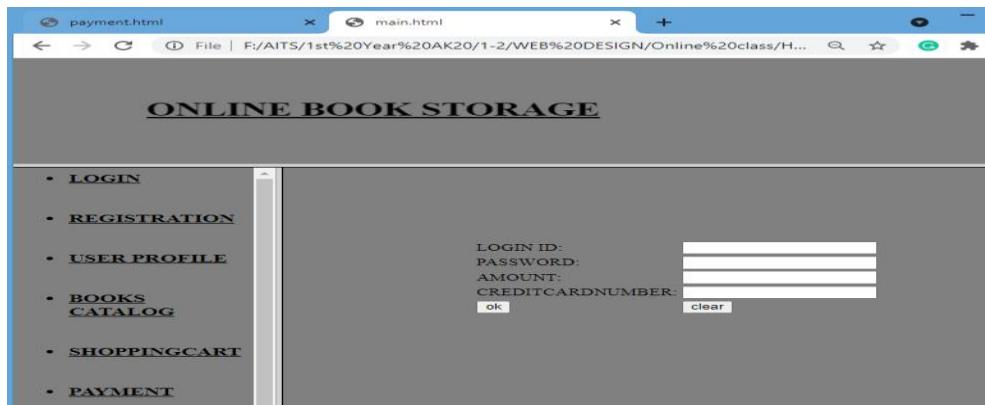
</table>

</form>

</body>

</html>
```

OUTPUT:



Profile.html:

```
<html>

<body bgcolor="gray"><br><br><br>

<form name="myform">

<div align="center"><pre>

LOGIN ID:<input type="text" name="id"><br>

PASSWORD:<input type="password" name="pwd"></pre>

</div>

<div align="center">

<input type="submit" value="ok">&nbsp;&nbsp;&nbsp;&nbsp;

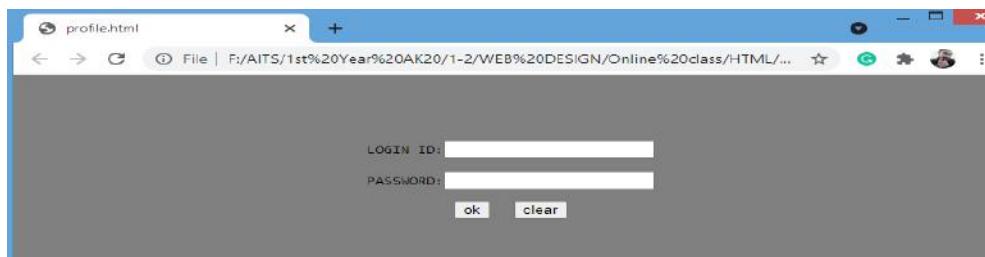
<input type="reset" value="clear" >

</form>

</body>

</html>
```

Output:



27. Create a table to show your class time table.

Source Code:

```
<html>
<head>TABLE TAG</head>
<title>TABLE</title>
<body>
<style>
table, th, td
{
border: 1px solid black;
border-collapse: collapse;
padding: 15px;
}
#t01
{
background-color: #f1f1c1;
}
td{text-align:center;}
</style>
<table id="t01">
<caption><b>AI&DS ONLINE TABLE</b></caption>
<tr>
<th colspan="4">AI&DS</th>
</tr>
<tr>
<th colspan="4">Monday</th>
</tr>
```

```
<tr>
<th>9:30-10:20</th>
<th>10:30-11:20</th>
<th>11:30-12:20</th>
<th>12:30-1:20</th>
</tr>

<tr>
<td>P&S</td>
<td>DS</td>
<td>PY</td>
<td>NM</td>
</tr>
</table>
<hr>
<table id="t02">
<caption><strong>CSE-2 ONLINE TABLE</strong></caption>
<tr>
<th rowspan="4">CSE-2</th>
</tr>
<tr>
<th colspan="4">Monday</th>
</tr>
<tr>
<th>9:30-10:20</th>
<th>10:30-11:20</th>
<th>11:30-12:20</th>
<th>12:30-1:20</th>
</tr>
```

```

<tr>
<td>PHY</td>
<td style="background-color: #A52A2A;">DS</td>
<td>P&S</td>
<td>ENG</td>
</tr>
</table>
</body>
</html>

```

OUTPUT

AI&DS ONLINE TABLE

AI&DS			
Monday			
9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20
P&S	DS	PY	NM

CSE -2 ONLINE TABLE

CSE -2	Monday			
	9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20
	PHY	DS	P&S	ENG

28. Write an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).

Source Code:

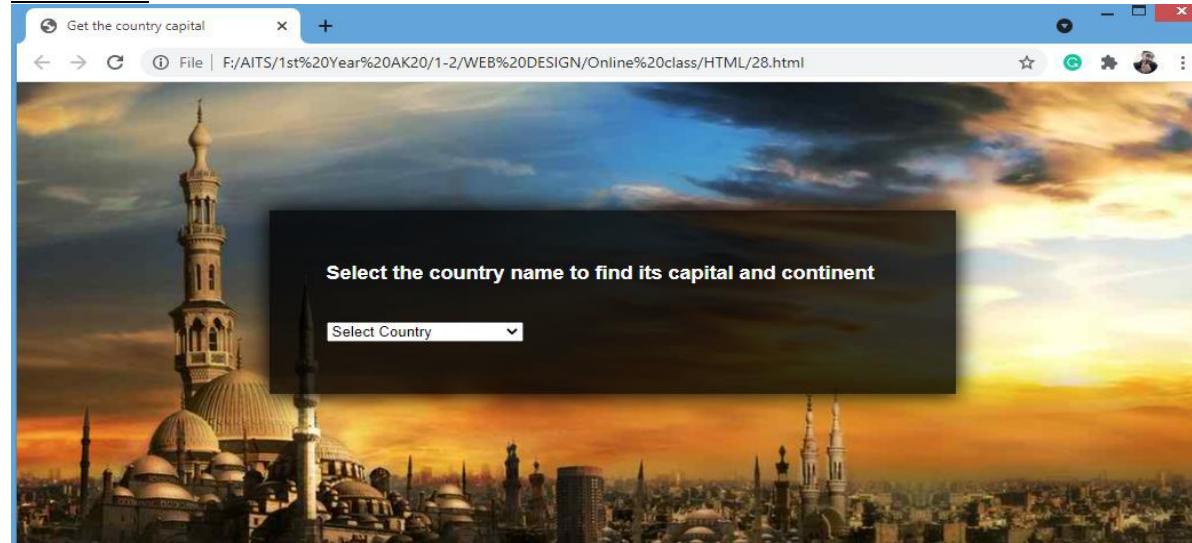
```

<html>
<head>
<title>Get the country capital</title>
<link href="28.css" type="text/css" rel="stylesheet"/>
</head>
<body>

```

```
<div class="form-box">  
<font color="white" size="4"><b>Select the country name to find its capital and  
continent</b></font><br/><br/>  
<br>  
<select <input type="text" class="resizedTextbox" id="myedit"/>>  
<option>Select Country</option>  
<option>Germany</option>  
<option>United States of America</option>  
<option>India</option>  
<option>United Kingdom</option>  
<option>France</option>  
</select>  
</div>  
<div id="result">&nbsp;</div>  
</body>  
</html>
```

OUTPUT:



28.css

```
h1{  
    text-align:center;  
}  
  
body{  
    background:  
        url(natural.jpeg) no-repeat;  
    background-position:center center;  
    font-family:sans-serif;  
}  
  
.form-box{  
    width:500px;  
    background-color:rgba(0,0,0,0.8);  
    margin:12% auto;  
    padding:50px;  
    color:#fff;  
    box-shadow:0 0 20px 2px rgba(0,0,0,20);  
}
```


29. Write an HTML to design a Bio-Data.

Program:

```
<html>
<head><title>Bio Data Form</title>
<style>
h1{text-align:center;
text-decoration: underline}
</style>
</head>
<body>
<h1>Bio Data Form</h1>

<form>
<fieldset>
<legend>Personal:</legend>
<table id="t02" align="center">
<tr><td><label id="name-label" for="name">Name: </label></td>
<td><input autofocus type="text" name="name" id="name" class="input-field"
placeholder="Enter your name" required></td></tr>
<tr><td><label id="fname-label" for="fname">Father's Name: </label></td>
<td><input autofocus type="text" name="fname" id="fname" class="input-field"
placeholder="Enter your father's name" required></td></tr>
<tr><td><label id="mname-label" for="mname">Mother's Name: </label></td>
```

```
<td><input autofocus type="text" name="mname" id="mname" class="input-field" placeholder="Enter your mother's name" required></td></tr>
```

```
<tr><td><label id="email-label" for="email">Email: </label></td>
```

```
<td><input type="email" name="email" id="email" class="input-field" required placeholder="Enter your Email"></td></tr>
```

```
<tr><td><label id="number-label" for="age">Age: </label></td>
```

```
<td><input type="number" name="age" id="number" min="1" max="125" class="input-field" placeholder="Age" required></td></tr>
```

```
<tr><td><label id="dob-label" for="dob">D.O.B: </label></td>
```

```
<td><input type="date" name="dob" id="iddob" class="input-field" required></td></tr>
```

```
<tr> <td><label for="department">Department: </label></td>
```

```
    <td>
        <select id="dropdown" name="department" class="dropdown">
            <option disabled value>Select an option</option>
            <option value="it">IT</option>
            <option value="cse">CSE</option>
            <option value="ece">ECE</option>
            <option value="mech">MECH</option>
            <option value="civil">CIVIL</option>
            <option value="other">Other</option>
        </select></td></tr>
```

```
</table>

</fieldset>

<table id="t03" align=center><tr><td>

<label for="gender">Gender: </label>

<ul style="list-style: none;">

<li class="radio"><label><input name="radio-buttons" value="male" type="radio" class="userRatings" >Male</label></li>

<li class="radio"><label><input name="radio-buttons" value="female" type="radio" class="userRatings" >Female</label></li>

<li class="radio"><label><input name="radio-buttons" value="others" type="radio" class="userRatings" >Others</label></li>

</ul>

</td></tr>

<tr><td>

<label for="address">Address: </label></td>

<td><textarea id="comments" class="input-field" style="height:50px;resize:vertical;" name="address" placeholder="Enter your address here..."></textarea></td></tr>

<tr><td><label for="pincode">Pincode: </label></td>

<td><input type="number" name="pincode" id="idpincode" class="input-field" style="height:20px;resize:vertical;" placeholder="6 digits Number"></td></tr>

<tr><td><label for="pincode">Phone Number: </label></td>

<td><input type="number" name="Phone Number" id="idphonenumber" class="input-field" style="height:20px;resize:vertical;" placeholder="10 digits Number"></td></tr>

<tr><td><label for="language">Language Known: </label>

<ul id="language" style="list-style: none;">
```

```

<li class="checkbox"><label><input name="prefer" value="english" type="checkbox" class="userRatings">English</label></li>

<li class="checkbox"><label><input name="prefer" value="tamil" type="checkbox" class="userRatings">Tamil</label></li>

<li class="checkbox"><label><input name="prefer" value="hindi" type="checkbox" class="userRatings">Hindi</label></li>

<li class="checkbox"><label><input name="prefer" value="malayalam" type="checkbox" class="userRatings">Malayalam</label></li>

<li class="checkbox"><label><input name="prefer" value="kannada" type="checkbox" class="userRatings">Kannada</label></li>

<li class="checkbox"><label><input name="prefer" value="telugu" type="checkbox" class="userRatings">Telugu</label></li>

<li class="checkbox"><label><input name="prefer" value="others" type="checkbox" class="userRatings">Others</label></li>

</ul>

</td></tr>

<tr><td><button id="submit" type="submit">Submit</button></td><td>

<button id="reset" type="reset">Reset</button></td></tr>

</table>

</form>

</body>

</html>

```

OUTPUT:

The screenshot shows a web-based form titled "Bio Data Form". The form is divided into sections: "Personal" and "Language Known".

Personal:

- Name:
- Father's Name:
- Mother's Name:
- Email:
- Age:
- D.O.B.: dd-mm-yyyy
- Department:

Gender:

- Male
- Female
- Others

Address:

Pincode: 6 digits Number

Phone Number: 10 digits Number

Language Known:

- English
- Tamil
- Hindi
- Malayalam
- Kannada
- Telugu
- Others

Buttons:

30. Wap in html to create a webpage with four frames (Picture, table, list, and hyperlink).

Program:

Save program as main.html

```
<html>

<head><title>Program 30</title></head>

<frameset cols="20%, *, 20%">

<frame src="list.html">

    <frameset rows="80%, *">

        <frame src="picture.html">

        <frame src="hyperlink.html">

    </frameset>

    <frameset cols="*>

        <frame src="table.html">

    </frameset>

</frameset>

</html>
```

OUTPUT:

Names	Price
Soup's	
Mushroom Soup	25/-
Vegetable Soup	25/-
Chiken Soup	35/-
Paya Soup	45/-
Crab Soup	45/-
Momo's	
Veg Momo's	60/-
Chiken Momo's	70/-

Save File as list.html

```
<html>  
<body bgcolor="yellow">  
<br>  
<br>  
<h2>Soups & Momo's</h2>  
<hr>  
<ul>  
<h2>Soup's</h2>  
<li>Mushroom Soup</li>  
<li>Vegetable Soup</li>  
<li>Chiken Soup</li>  
<li>paya Soup</li>  
<li>Crab Soup</li>  
<hr>  
<h2>Momo's</h2>  
<li>Veg Momo's</li>  
<li>Chiken Momo's</li>  
</ul>  
</body>  
</html>
```

OUTPUT:

The screenshot shows the rendered HTML content. At the top, it displays the title "Soups & Momo's". Below this, there are two main sections: "Soup's" and "Momo's", each containing a bulleted list of items.

Soups & Momo's

Soup's

- Mushroom Soup
- Vegetable Soup
- Chiken Soup
- paya Soup
- Crab Soup

Momo's

- Veg Momo's
- Chiken Momo's

hyperlink.html

```
<html>

<head><title>hyperlink</title>

</head>

<body bgcolor="lightgray">

<table align="center"><tr><td></td><td><a
href="https://www.google.com/maps/place/Sree+Chettinadu+Soup's+%26+M
omo's/@13.6243684,79.4064922,15z/data=!4m2!3m1!1s0x0:0xa4cf0c90ba7e
380d?sa=X&ved=2ahUKEwiA18f90YDzAhV7zTgGHVFxDDkQ_BJ6BAhcEAU"><h
2>Chettinadu Soups & Momo's</h2></a></td></tr></table>

</body>

</html>
```

OUTPUT:



table.htm

```
<html>

<head><title>Table</title>

<style>
table, th,td{
border:1px solid black;
padding:15px;
}

</style>

</head>
```

```

<body bgcolor="yellow">
<table>
<tt>*****PRISE*****</tt>
<tr><th>Names</th><th>Prise</th></tr>
<tr style="color:white;text-align:center;"><td colspan="2">Soup's</td></tr>
<tr><td>Mushroom Soup</td><td>25/-</td></tr>
<tr><td>Vegetable Soup</td><td>25/-</td></tr>
<tr><td>Chiken Soup</td><td>35/-</td></tr>
<tr><td>Paya Soup</td><td>45/-</td></tr>
<tr><td>Crab Soup</td><td>45/-</td></tr>
<tr style="color:white;text-align:center;"><td colspan="2">Momo's</td></tr>
<tr><td>Veg Momo's</td><td>60/-</td></tr>
<tr><td>Chiken Momo's</td><td>70/-</td></tr>
</table>
</body>
</html>

```

OUTPUT:

Names	Prise
Soup's	
Mushroom Soup	25/-
Vegetable Soup	25/-
Chiken Soup	35/-
Paya Soup	45/-
Crab Scup	45/-
Momo's	
Veg Momo's	60/-
Chiken Momo's	70/-

Save picture.html

```
<html>  
<body>  
  
</body>  
</html>
```

OUTPUT:



31. Wrap in html to show all character elements in html.

Program:

```
<html>  
<head><title>Character Elements</title></head>  
<body>  
<table border="1px" style="text-align:center">  
<tr bgcolor="lightblue"><th>Name</th><th>Character  
Name</th><th>Symbol</th><tr>
```

```

<tr><td>Less Than</td><td>& lt;</td><td><</td></tr>

<tr><td>Greater Than</td><td>& gt;</td><td>></td></tr>

<tr><td>Slash</td><td>& sol;</td><td>/</td></tr>

<tr><td>Quotation</td><td>& quot;</td><td>"</td></tr>

<tr><td>Apostrophe</td><td>& apos;</td><td>'</td></tr>

<tr><td>Ampersand</td><td>& amp;</td><td>&</td></tr>

<tr><td>Copyright</td><td>& copy;</td><td>©</td></tr>

<tr><td>Registered Trademark</td><td>& reg;</td><td>®</td></tr>

<tr><td>Degree</td><td>& deg;</td><td>°</td></tr>

<tr><td>Left-pointing double angle</td><td>& laquo;</td><td><</td></tr>

<tr><td>Right-pointing double angle</td><td>& raquo;</td><td>></td></tr>

<tr><td>Non-Breaking Space</td><td>& nbsp;</td><td> </td></tr>

</table>

```

<p>NOTE: No space between '&' and 'Character Name',
to display the character name in table we gave space </p>

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</body>

</html>

OUTPUT:

Name	Character Name	Symbol
Less Than	& lt;	<
Greater Than	& gt;	>
Slash	& sol;	/
Quotation	& quot;	"
Apostrophe	& apos;	'
Ampersand	& amp;	&
Copyright	& copy;	©
Registered Trademark	& reg;	®
Degree	& deg;	°
Left-pointing double angle	& laquo;	«
Right-pointing double angle	& raquo;	»
Non-Breaking Space	& nbsp;	

NOTE: No space between '&' and 'Character Name', to display the character name in table we gave space

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32. Write an HTML to create a webpage to show the block level elements and text level elements.

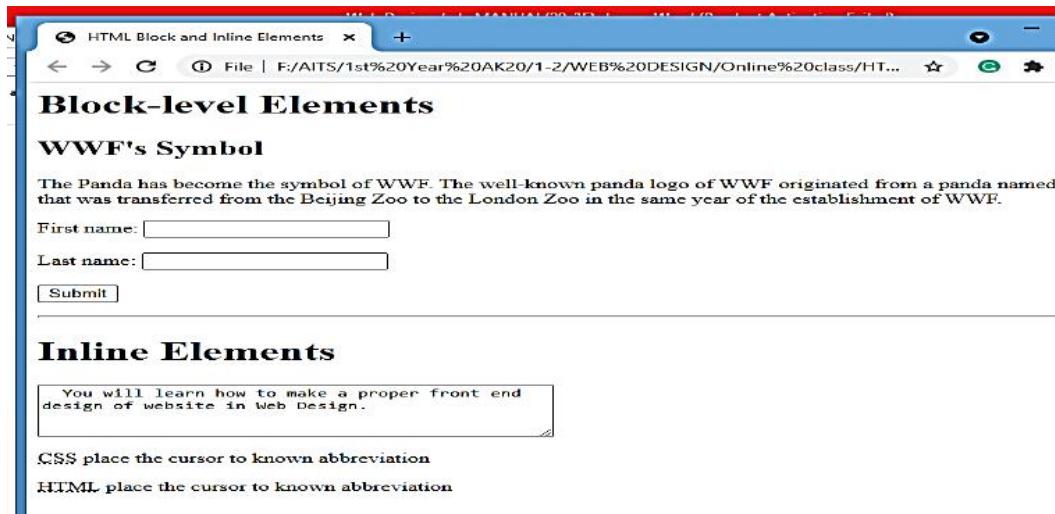
Program:

```
<html>
<head><title>HTML Block and Inline Elements</title></head>
<body>
<h1>Block-level Elements</h1>
<!--
<ul><video> <div><address> <article>
<form><h1><h2><h3><h4><h5><h6><header><aside>
<blockquote> <table><footer><hr><li><tfoot>
<canvas> <dd> <dl> <dt> <fieldset><section>
<main><nav><noscript><ol><p><pre>
-->
<!--Example-->
<section>
<h2>WWF's Symbol</h2>
<p>The Panda has become the symbol of WWF. The well-known panda logo of WWF originated from a panda named Chi Chi that was transferred from the Beijing Zoo to the London Zoo in the same year of the establishment of WWF.</p>
</section>

<form action="#">
<label for="fname">First name:</label>
<input type="text" id="fname" name="fname"><br><br>
<label for="lname">Last name:</label>
```

```
<input type="text" id="lname" name="lname"><br><br>
<input type="submit" value="Submit">
</form>
<hr>
<h1>Inline Elements</h1>
<!--<a><abbr><acronym><b><bdo>
<big><br><button><cite><code><dfn>
<em><i><img><input><kbd><label><map>
<object><output><q><samp><script><select>
<small><span><strong><sub><sup>
<textarea><time><tt><var>
-->
<!--Example-->
<textarea id="tarea" name="tarea" rows="4" cols="50">
    You will learn how to make a proper front end design of website in Web
    Design. </textarea>
<p><abbr title="Cascading Style Sheets">CSS</abbr> place the cursor to
known abbreviation</p>
<p><abbr title="Hyper Text Markup Language">HTML</abbr> place the cursor
to known abbreviation</p>
.
</body>
</html>
```

OUTPUT:



33. Write in html to create a webpage to show various confectionary items using ordered list and unordered list.

Program:

```
<HTML>
  <HEAD>
    <TITLE> Confectionery products </TITLE>
  </HEAD>
  <BODY>
    <H1> confectionery products</h1>
    <UL>
      <LI> chocolate
      <LI> Biscuits
      <LI> jelly
      <LI> little hearts
    </UL>
    <H1>products</h1>
    <UL TYPE = "SQUARE">
      <LI> snickers
```

```

<LI> dark fantasy
<LI TYPE = "DISC"> twix
<LI TYPE = "CIRCLE"> almond
</UL>

<ol>
    <LI> choclate
    <LI> Biscuits
    <LI> jelly
    <LI> little hearts
</ol>

<H1>products</h1>

<ol TYPE = "SQUARE">
    <LI> snickers
    <LI> dark fantasy
    <LI TYPE = "DISC"> twix
    <LI TYPE = "CIRCLE"> almond
</ol>

</BODY>

</HTML>

```

OUTPUT:

The screenshot shows a web browser window with the following content:

- confectionary products**
- products**
 - chocolate
 - Biscuits
 - jelly
 - little hearts
- products**
 - snickers
 - dark fantasy
 - twix
 - almond
- products**
 - 1. choclate
 - 2. Biscuits
 - 3. jelly
 - 4. little hearts
- products**
 - 1. snickers
 - 2. dark fantasy
 - twix
 - almond

34. Write in html to create a webpage to show different hobbies.

Program:

```
<html>
<head>
<title>My self</title>
</head>
<body>
<h1>Hobbies and Personal details</h1>
<p>My name is _____.
<br>I study in class _____.
<br>I am _____ years old .
<br>My College name is _____.
<br>My father name is_____.
<br>He is in Army.
<br>My mother name is_____.
<br>She is householder.
<br>My favourite subject is_____.

<br>My hobbies are_____.
<br>I want to became an/a_____.
</p>

</body>

</html>
```

OUTPUT:



My name is _____.
I study in class _____.
I am ____ years old.
My College name is _____.
My father name is _____.
He is in Army.
My mother name is _____.
She is householder.
My favourite subject is _____.
My hobbies are _____.
I want to became an/a _____.

35. Wap in html to show India map.

Procedure:

1. Go to start ->all program – >accessories-> notepad or notedpad++.
2. Type the html code.
3. To keep image as a multiple link we need to use **<map>** tag name="" name is used to call the property.
4. To know cords of the image open IMAGE with PAINT tool
5. Move the cursor on to the image to know the coords
6. Next we need to create a hot spot area to do that we need to use **<area>** attributes {shape="rect"}

If we give rect we need to select 2 points 4 coords point numbers

- i. left-top (point x and y)
- ii. right-bottom (point x and y)

If we give circle we need to select 2 points 3 coords point numbers

- i. centre of the circle (point x and y)
- ii. Radius (to know radius of the circle we need to take y point on end curve of the circle and [centre y position – y point on end curve])

7. Go to file->save->save the file with html extension.

8. Run the html code using browser.

NOTE : don't use height and width attributes for image it may change the coords positions in the web page

Program:

SAVE as map.html

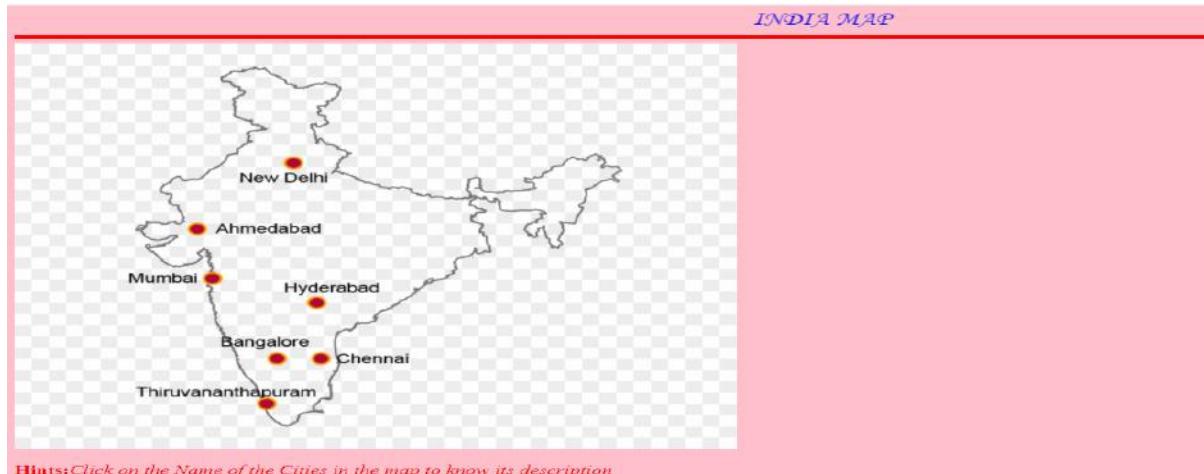
```
<html>
<head>
<title>India Map</title>
<head>
<body bgcolor="PINK">
<font face="Monotype Corsiva" color="BLUE" size="6">
<marquee direction="left" behavior="alternate">INDIA MAP
</marquee>
</font>
<hr size="6" color="RED">
<map name="pagemap">
<area shape="rect" coords="263,228,365,248" href="map1.html">
<!--coords for Delhi-->
<area shape="rect" coords="314,423,424,441" href="map2.html">
<!--coords for Hyderabad-->
<area shape="rect" coords="133,407,212,425" href="map3.html">
<!--coords for MUMBAI-->
<area shape="rect" coords="376,549,459,569" href="map4.html">
<!--coords for Chennai-->
</map>


</body>
<font color="#ff0000" size="5">
```

<p>Hints:<i>Click on the Name of the Cities in the map to know its description</i></p>

</html>

OUTPUT:



Hints: Click on the Name of the Cities in the map to know its description

Save as map1.html

```
<html>
<body bgcolor="SKYBLUE">
<font face="Monotype Corsiva" size="18" color="RED">
<center><b><i><tt>Delhi is the capital of our INDIA<br> and <br>More IT
companies are
Camped at Delhi</tt></i></b></center>
<a href="map.html">Home Page</a>
</font>
</body>
</html>
```

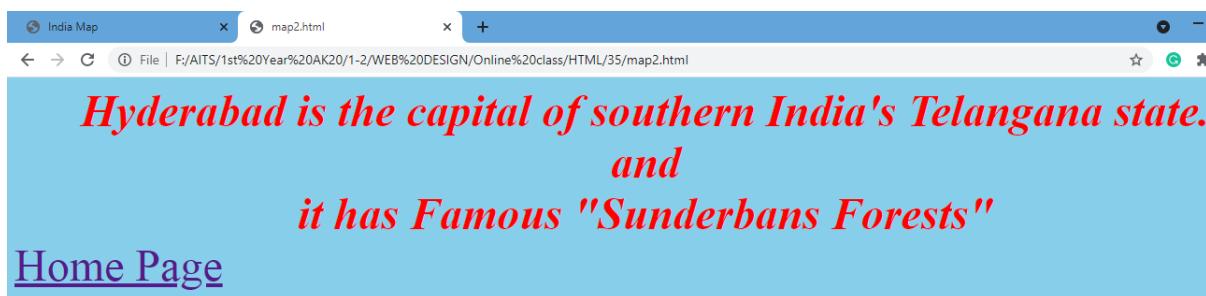
OUTPUT:



Save as map2.html

```
<html>
<body bgcolor="SKYBLUE">
<font face="Times New Roman" size="18" color="RED">
<center><b><i>Hyderabad is the capital of southern India's Telangana state.
<br> and <br>it has Famous
<i>"Sunderbans Forests"</i></b></center>
<a href="map.html">Home Page</a>
</font></body></html>
```

OUTPUT:



Save as map3.html

```
<html>
<body bgcolor="DARKGREEN">
<font face="Times New Roman" size="12" color="RED">
```

```
<center>MUMBAI is the capital of Maharashtra<br> and <br>it has Famous India
```

```
Gate</center>
```

```
<a href="map.html">Home Page</a>  
</font>  
</body>  
</html>
```

OUTPUT:



Save as map4.html

```
<html>  
<body bgcolor="BLACK">  
<font face="Times New Roman" size="12" color="RED">  
<center>Chennai is the capital of Tamil Nadu<br> and <br>More IT companies  
are camped at  
Chennai  
</center>  
<a href="map.html">Home Page</a>  
</font>  
</body>  
</html>
```

OUTPUT:

