

Practical File

**WEB TECHNOLOGIES LAB
(BCA-175)**

*Submitted in partial fulfillment of the requirements for the
award of the degree of*

Bachelor of Computer Applications

Guru Gobind Singh Indraprastha University, Delhi



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Semester: I	Paper Code: 175—Web Technologies Lab	Academic Session 2021-22
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16	Create a Table to display the following table with items in the Décor using ordered lists and Hyperlinks. On the click of the Décor items, suitable pages with their images and information should be displayed		19/01/2022	
17	Create a two-column frameset with the left frame containing bulleted list of items with hyperlinks. While the right frame is further divided into two rows of frames. The top frame contains the header and the bottom frame displays the description of an animal which the user clicks on the left frame.		20/01/2022	
18	Display an image using the tag. Show the use of its attributes like width, height, alt, border etc.		26/01/2022	
19	Create a web page containing images with left, right, and center alignment.		27/01/2022	
20	Make an image map showing the usage of shape, coords, href attributes in map definition. Link each hotspot to their respective details. All the web pages should be designed with proper background color, images, font styles and headings.		2/02/2022	
21	Create an application form for admission to undergraduate students		2/02/2022	
22	. Create a webpage containing a background image and apply all the background styling attributes.		3/02/2022	
23	Create a web page showing the usage of font styling attributes .		3/02/2022	
24	Create a web page and apply all Text styling attributes use Id and class selector.		9/02/2022	
25	Create a webpage and implement all list styling attributes.		9/02/2022	
26	Create a Webpage with three equal columns.		9/02/2022	
27	Write a CSS rule that make all text size as 18pt and color as red, background color blue. Give the heading style font size as 24pt, font family as sans-serif, color black and text align as Centre.		10/02/2022	
28	Create a site of Solar System and insert an image of planets and position the style as absolute and give a proper margin as top, left, right and bottom.		10/02/2022	
29	Create a webpage containing bootstrap table.		10/02/2022	
30	Create a webpage containing various types of images.		16/02/2022	
31	Create a webpage containing various types of buttons.		16/02/2022	
32	Create a webpage containing various, typography classes.		16/02/2022	
33	Create a webpage containing to display the heading using Jumbotron		17/02/2022	




34	Create a web page to show the usage of alert box and confirm box.		17/02/2022	
35	Write a JavaScript to accept your name and display it.		24/02/2022	
36	Write a JavaScript code to accept 10 numbers and check how many are +ive, -ive and zero.		24/02/2022	
37	Write a Program in JavaScript to find the factorial of a number between 1 to 10		25/02/2022	
38	Write a Program in JavaScript to find reverse of a number.		25/02/2022	
39	Write a JavaScript code block, which greets a user with a message 'Welcome'. When a user leaves this page, the 'Good-bye' alert dialog box is displayed.		2/03/2022	
40	Write a script that reads a date from an HTML form and creates a Date object in which to store that date. Then, use the various method of Date object to display the date in several formats.		2/03/2022	
41	Create a web page to implement event handling using onclick, onmouseover and onmouseout events.		3/03/2022	
42	Create a web page to show the usage of all the date, math and string object functions.		3/03/2022	
43	Write a program to display the bookstore details in XML with CSS and internal DTD.		9/03/2022	
44	Write a program to format the Teacher details in XML with CSS using external DTD		10/03/2022	
45	Design the registration form for a web site and when the user clicks on submit button the login form should be appeared on the screen (use external javascript file).		10/03/2022	

Q1. Create a list of latest web browsers with their logo, versions, and features.

LIST OF WEB BROWSERS

A web browser, or simply "browser," is an application used to access and view websites.

Common web browsers include Microsoft Internet Explorer, Google Chrome, Mozilla Firefox, and Apple Safari.

Name	Logo	Versions
Opera		Opera on Desktop Opera on Android
Firefox		Firefox Standard Release Firefox Extended Support Release Firefox iOS Firefox Android
Internet Explorer		Microsoft Internet Explorer 1. Microsoft Internet Explorer 2. Microsoft Internet Explorer 3. Microsoft Internet Explorer

Version

82.0.4227.23

63.3.3216.58675

Safari



There are seven version of safari:

1.Jaquar

2.panther

3.tiger

4.Leopard

5.Snow leopard

6.lion

7.Leopard

lion

Chrome

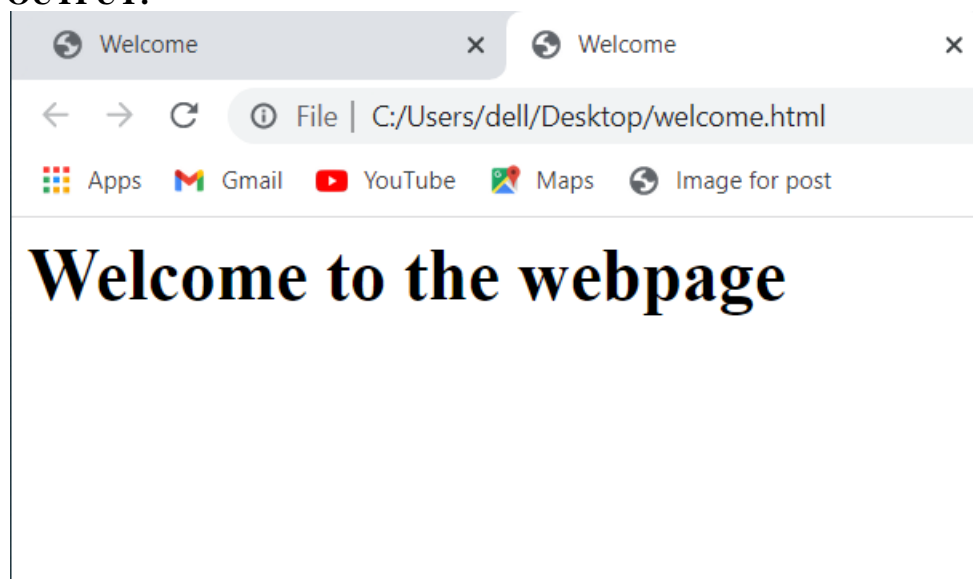


There are four
Versions of
Chrome:
1.STABLE
2.BETA
3.DEV
4.CANARY

Q2.Create a simple web page that displays welcome message.

```
<html>  
<head>  
<title>Welcome</title>  
</head>  
<body>  
<h1 style="color=green; font-size:36px;">Welcome to the webpage</h1>  
</body>  
</html>
```

OUTPUT:



Q3. Create a list of latest search engines with their features.

LIST OF DIFFERENT SEARCH ENGINES:

1. [Google](#)



Google Search Engine is the best search engine in the world and it is also one of most popular products from Google. Almost 70 percent of the Search Engine market has been acquired by Google. The tech giant is always evolving and looking to improve the search engine algorithm to provide best results to the end-user. Although Google appears to be the biggest search engine, as of 2015 YouTube is now more popular than Google (on desktop computers).

2.. [Bing](#)



Bing is Microsoft's answer to Google and it was launched in 2009. Bing is the default search engine in Microsoft's web browser. At Bing, they are always striving to make it a better search engine but it's got a long way to go to give Google competition. Microsoft's search engine provides different services including image, web and video search along with maps. Bing introduced Places (Google's equivalent is Google My Business), this is a great platform for business to submit their details to optimize their search results.

3. Yahoo



Yahoo & Bing compete more with each other than with Google. A recent report on netmarketshare.com tells us that Yahoo have a market share of 7.68 percent. Although a leader as a free email provider, this is declining significantly though with their recent acknowledgement that User Details & Passwords were hacked last year.

Q4. Write HTML code to demonstrate different heading styles

```
<html>

<head>

<title>Heading tags</title></head>

<body>

<h1>HEADING 1</h1>

<h2>HEADING 2</h2>

<h3>HEADING 3</h3>
```

<h4>HEADING 4</h4>

<h5>HEADING 5</h5>

<h6>HEADING 6</h6>

</body>

</html>

OUTPUT:

HEADING 1

HEADING 2

HEADING 3

HEADING 4

HEADING 5

HEADING 6

Q5. Write an HTML code to display the different paragraphs with different alignment. Use at least three Container tags and empty tags.

```
<html>
<head>
<title>WEB TECHNOLOGY</title>
</head>
<body>
<center>
<p><b><u><h1>WEB TECHNOLOGY</h1></u></b></p>
<hr/>
<b>World Wide Web(WWW)</b>The World Wide Web (WWW), commonly known as the Web, is
an information system where documents and other web resources are identified by
Uniform Resource Locators (URLs, such as https://example.com/), which may be interlinked by
hyperlinks, and are accessible over the Internet. The resources of the
Web are transferred via the Hypertext Transfer Protocol (HTTP), may be accessed by users by a
software application called a web browser, and are published by a
software application called a web server. The World Wide Web is not synonymous with the Internet,
which pre-dated the Web in some form by over two decades and
upon the technologies of which the Web is built.</p>
<b>Web Browser</b>A web browser (commonly referred to as a browser) is application software for
accessing the World Wide Web. When a user requests a web page from a
particular website, the web browser retrieves the necessary content from a web server and then
displays the page on the user's device.
```

Web ServerA web server is a computer that runs websites. It's a computer program that distributes web pages as they are requisitioned. The basic objective of the web server is to store, process and deliver web pages to the users. This intercommunication is done using Hypertext Transfer Protocol (HTTP).

OUTPUT:

WEB TECHNOLOGY

World Wide Web(WWW)The World Wide Web (WWW), commonly known as the Web, is an information system where documents and other web resources are identified by Uniform Resource Locators (URLs, such as <https://example.com/>), which may be interlinked by hyperlinks, and are accessible over the Internet. The resources of the Web are transferred via the Hypertext Transfer Protocol (HTTP), may be accessed by users by a software application called a web browser, and are published by a software application called a web server. The World Wide Web is not synonymous with the Internet, which pre-dated the Web in some form by over two decades and upon the technologies of which the Web is built.

Web BrowserA web browser (commonly referred to as a browser) is application software for accessing the World Wide Web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device. **Web Server**A web server is a computer that runs websites. It's a computer program that distributes web pages as they are requisitioned. The basic objective of the web server is to store, process and deliver web pages to the users. This intercommunication is done using Hypertext Transfer Protocol (HTTP).

Q6. In mathematics, a quadratic equation is a polynomial equation of the second degree. The . general form is
 $ax^2+bx+c = 0$
where $a \neq 0$. (For if $a = 0$, the equation becomes a linear equation.

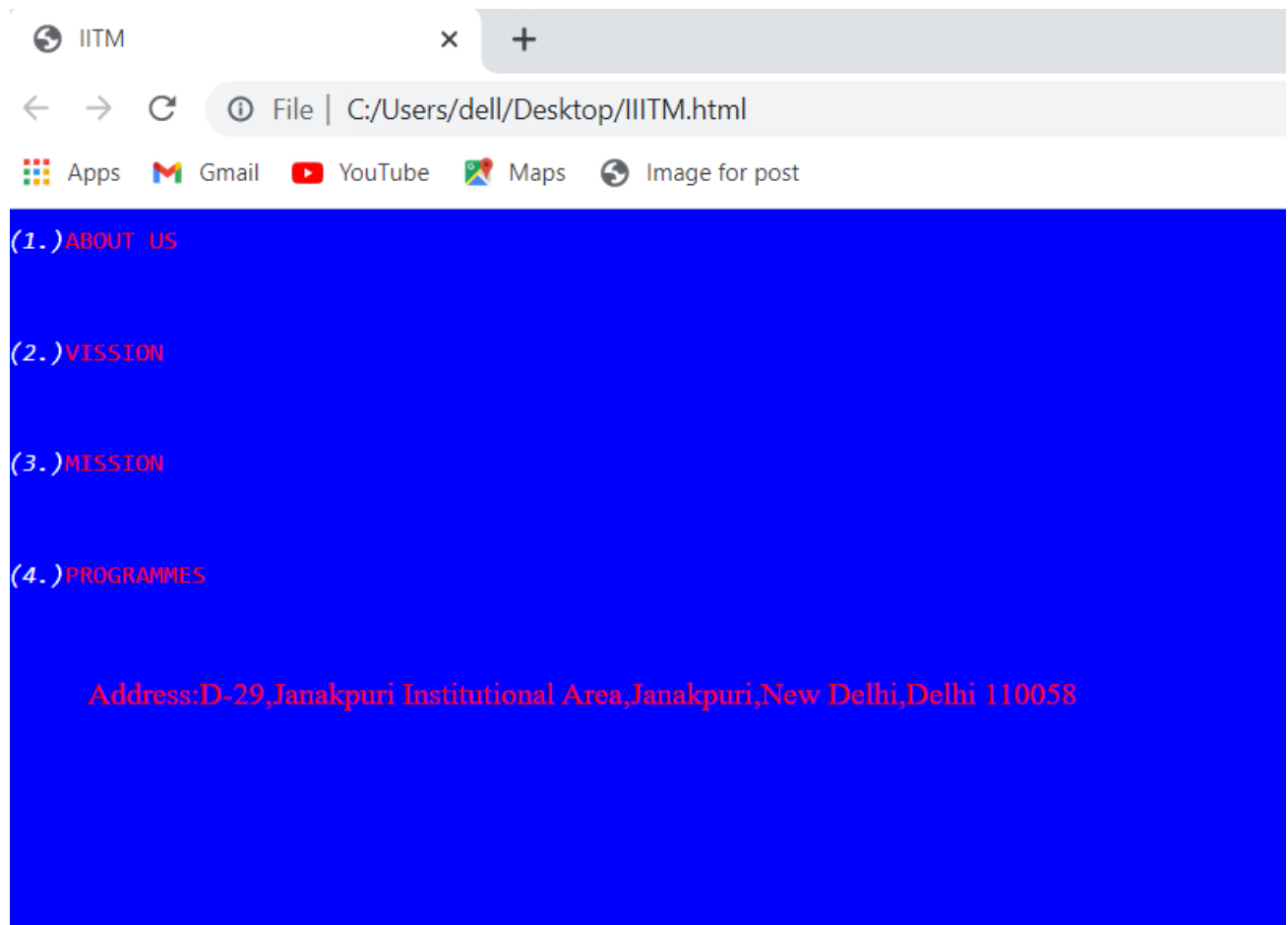
OUTPUT:



Q7. Create a web page describing IITM. Use <blockquote> to display address, for sub headings <pre> tag and use tag wherever you are using numbers. Use different background color & different color showing text.

```
<html>
<head>
<title>IITM</title>
</head>
<body>
<body text="red" bgcolor="blue">
<pre>
<p><em style="color:white;">(1.)</em>ABOUT US</p>
<p><em style="color:white;">(2.)</em>VISSION</p>
<p><em style="color:white;">(3.)</em>MISSION</p>
<p><em style="color:white;">(4.)</em>PROGRAMMES</p>
</pre>
<blockquote cite="https://www.huxley.net/bnw/four.html">
<p>Address:D-29,Janakpuri Institutional Area,Janakpuri,New Delhi,Delhi 110058
</p>
</blockquote>
</body>
</html>
```

OUTPUT:



Q8. Develop an HTML document which displays your name as heading and displays the name of any four of your friends in a list. Each friend's name should be a hyperlink. When you click a friend's name, it must open another HTML document which tells about your friend.

```
<html>
<head>
<title>My Friends</title>
</head>
<body style="background-color:#320b64">
<h1 align=center style="font Courier new";color:"white">Pravneet Kaur</h1>
<br><br>
<i><h2 style="color:white;">A list of my friends</h2></i>
<ul style="list-style-type:disc;font-size:20px;font-weight:400;color:white">
<li>Ganeev Kaur</li>
<li>Tavleen Kaur</li>
<li>Harsh Singh</li>
<li>Daras kaur</li>
<li>Navleen Kaur</li>
</ul>
</body>
</html>
```

OUTPUT:

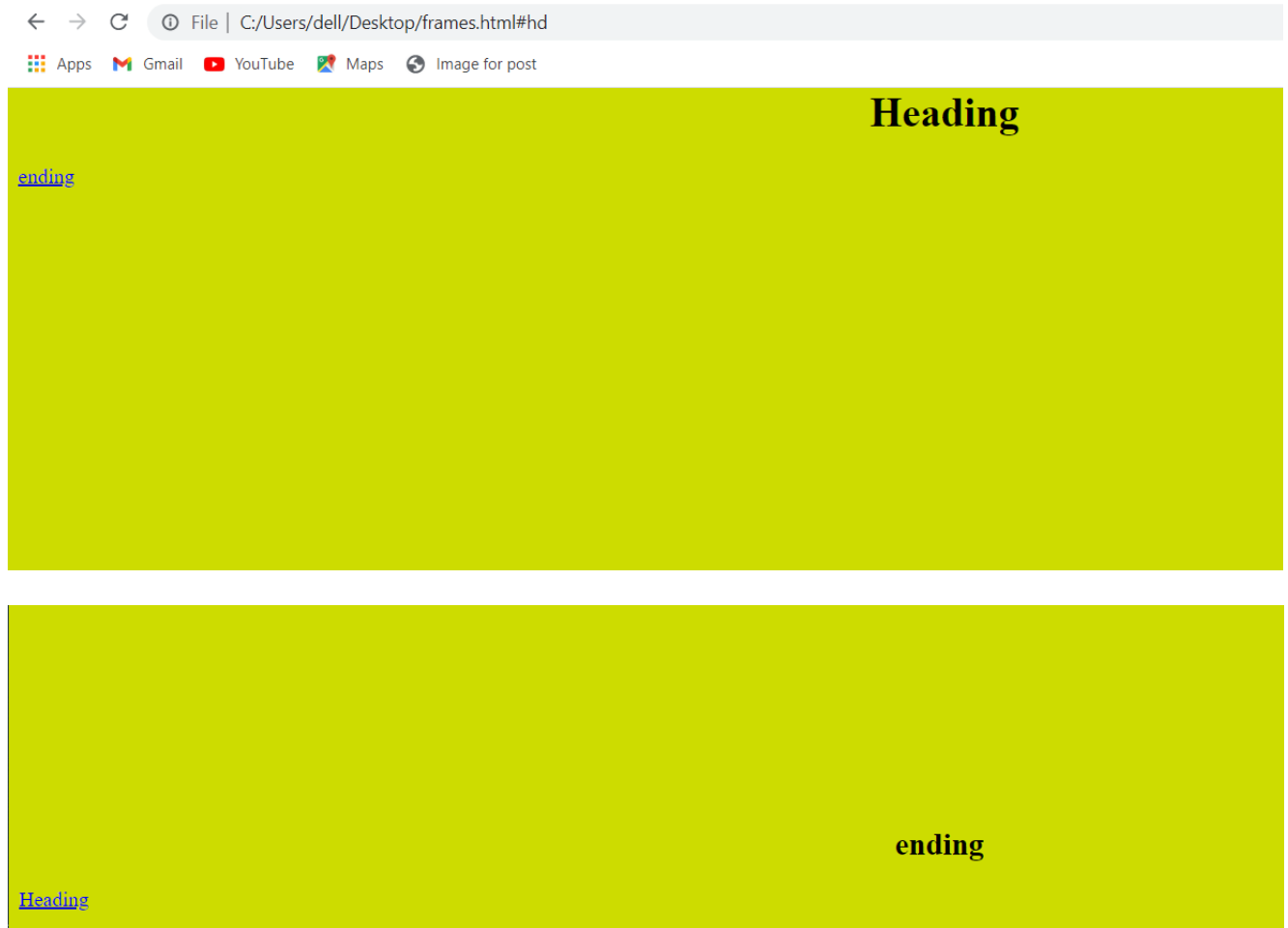
A list of my friends

- Ganeev Kaur
- Tavleen Kaur
- Harsh Singh
- Daras kaur
- Navleen Kaur

Q9.Create a web page that has named link to move on the top of the page and to the bottom of the page.

```
<html>
<head>
<title>Frame Example</title>
</head>
<body bgcolor="#cdcdcd;" style="padding: 0;">
<p style="margin:0;">
<center><h1 id="hd">Heading</h1></center>
<a href="#ft">ending</a>
</p>
<p style="height:1000px; margin:0;"></p>
<p style="height:150px; margin:0;">
<center><h2 id="ft">ending</h2></center>
<a href="#hd">Heading</a>
</p>
</body>
</html>
```

OUTPUT:



Q10. Write an HTML code to insert three images that are aligned left, center, and right. Also change the background color as blue of the web page. Give a proper heading to the web page.

```
<html>
<head>
<title>HTML img alt Attribute</title>
</head>
<body>
<h1>HTML img align Attribute</h1>
<left></left>
<center></center>
<right></right>
</body>
</html>
```


OUTPUT:

HTML img align Attribute

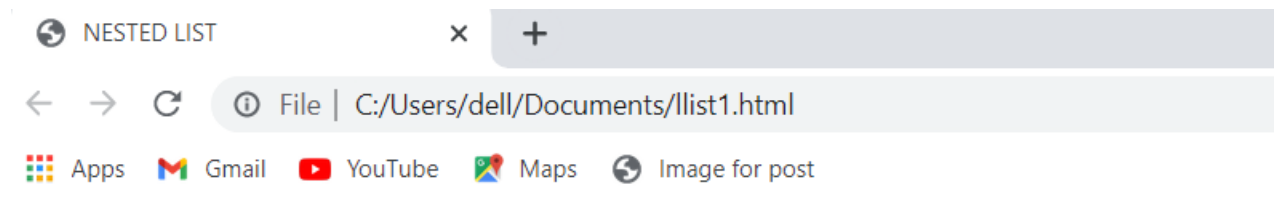


Q11. Create an HTML Code to display the names of courses taught in the institute under the list headings Morning and evening Courses respectively using different types of ordered and unordered list.

```
<html>
<head>
  <title>NESTED LIST</title>
</head>
<body>
  <!--An example of Nested List-->
  <h1>A list of courses and subjects in BCA</h1>
  <h2>Courses at IITM</h2>
  <ol>
    <li>
      <h2>BCA</h2>
      <ul>
        <li>
          <h3>sem1</h3>
          <ol>
            <li>Discrete Mathematics</li>
            <li>FIT</li>
            <li>Web technology</li>
            <li>Technical Communications</li>
```

```
</ol>
</li>
<li>sem2</li>
<li>sem3</li>
<li>sem4</li>
<li>sem5</li>
<li>sem6</li>
</ul>
</li>
<li><h2>BBA</h2></li>
<li><h2>B.COM</h2></li>
<li><h2>MBA</h2></li>
</ol>
</body>
</html>
```

OUTPUT:



A list of courses and subjects in BCA

Courses at IITM

1. BCA

◦ sem1

1. Discrete Mathematics
2. FIT
3. Web technology
4. Technical Communications

- sem2
- sem3
- sem4
- sem5
- sem6

2. BBA

3. B.COM

4. MBA

Q12. Write a code for the following list (definition list)

Coffee-black hot drink

Milk-white cold drink

```
<html>
<head>
<title>HTML definition List</title>
</head>
<body>
<h2>HTML Definition List</h2>
<dl>
<dt>Coffee</dt>
<dd>black hot drink</dd>
<dt>Milk</dt>
<dd>White cold drink</dd>
</dl>
```

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

OUTPUT:

HTML Definition List

Coffee

black hot drink

Milk

White cold drink

Q13. Create an unordered list nested inside ordered list and apply the following :

- 1.Insert an image of Main item on top right comer of web page.**
- 2.Display heading as a marquee.**
- 3.Use different font styles and colors for different ordered list items.**
- 4.Insert horizontal line after each ordered item.**

```
<html>
<head>
<title>AUTHORS</title>
</head>
<body>
<center></center>
<h1 align=center>AUTHORS</h1>
<ul>
<li>VERONICA ROTH</li>
<ol>
<li>Divergent</li>
<li>Insurgent</li>
<li>Allegiant</li>
<li>Four</li>
<li>The fates divide</li>
<li>Carve the Mark</li>
</ol>
</ul>
<hr/>
<ul>
<li>AMISH TRIPATHI</li>
<ol>
<li>The Immortals of Meluha</li>
```

- The secrets of Nagas
- The Oath of the Vayuputras
- Ram:Scion of Ikshvaku
- Sita:Warrior of Mithila
- Raavan:Enemy of Aryavarta

<hr/>

- KIERA CASS

- The Betrothed

- The Selection

- The Elite

- The One

- The Heir

- The Crown

- The Siren

<hr/>

- KIERA CASS

- The Betrothed

- The Selection

- The Elite

- The One

- The Heir

- The Crown

- The Siren

<hr/>

- SUZZANE COLLINS

- The Hunger Games

- Cartching Fire

- Mockingjay

- Year of the jungle

<hr/>

- CECELIA AHERN

- Freckels

- P.s I Love You

- Postscript

```

<li>Roar Us</li>
<li>Lyebird</li>
<li>Flawed</li>
<li>Perfect</li>
</ol>
</ul>
<hr/>
</body>
</html>

```

OUTPUT:

AUTHORS

File
C:/Users/dell/Desktop/books.html

Apps
Gmail
YouTube
Maps
Image for post

AUTHORS

- VERONICA ROTH
 1. Divergent
 2. Insurgent
 3. Allegiant
 4. Four
 5. The fates divide
 6. Carve the Mark
- AMISH TRIPATHI
 1. The Immortals of Meluha
 2. The secrets of Nagas
 3. The Oath of the Vayuputras
 4. Ram:Scion of Ikshvaku
 5. Sita:Warrior of Mithila

Activate Windows
Go to Settings to activate Window

Q14. Create a table containing S.No, Name, Course and marks of 10 students. Use Caption tag and attributes like cell padding, cell spacing, height, width, bgcolor, align.

```

<html>
<head>
<style>
table,th,td{
border: 1px solid black;
}
table{
border-spacing: 10px;

```

```

}
th,td{
padding: 10px;
}
</style>
</head>
<body bgcolor="luminous yellow">
<center>
<h1>TABLE OF 10 STUDENTS</h1>
<table style="width:700px">
<tr>
<th>S.NO</th>
<th>NAME</th>
<th>COURSE</th>
<th>MARKS</th>
</tr>
<tr>
<td>1</td>
<td>KARAN</td>
<td>BCA</td>
<td>89</td>
</tr>
<tr>
<td>2</td>
<td>KOEL</td>
<td>BBA</td>
<td>92</td>
</tr>
<tr>
<td>3</td>
<td>MONAMI</td>
<td>MBBS</td>
<td>99</td>
</tr>
<tr>
<td>4</td>
<td>ANISH</td>
<td>B.ARCH</td>
<td>91</td>
</tr>
<tr>
<td>5</td>
<td>FAIZY</td>
<td>B.TECH</td>
<td>92</td>
</tr>
<tr>
<td>6</td>
<td>SANJANA</td>
<td>B.E</td>

```

```
<td>90</td>
</tr>
<tr>
  <td>7</td>
  <td>SIDDHART</td>
  <td>B.D</td>
  <td>98</td>
</tr>
<tr>
  <td>8</td>
  <td>CHITRA</td>
  <td>BDS</td>
  <td>79</td>
</tr>
<tr>
  <td>9</td>
  <td>SUMAN</td>
  <td>B.D</td>
  <td>94</td>
</tr>
<tr>
  <td>10</td>
  <td>NIKHIL</td>
  <td>B.COM</td>
  <td>90</td>
</tr>
</table>
</center>
</body>
</html>
```

OUTPUT:

S.NO	NAME	COURSE	MARKS
1	KARAN	BCA	89
2	KOEL	BBA	92
3	MONAMI	MBBS	99
4	ANISH	B.ARCH	91
5	FAIZY	B.TECH	92
6	SANJANA	B.E	90
7	SIDDHART	B.D	98
8	CHITRA	BDS	79
9	SUMAN	B.D	94
10	NIKHIL	B.COM	90

Q15.Make following five different web pages:

Create a web page containing information about formatting styles and headings. The following styles should be there: Bold, italics, Underline, Strike, Subscript, superscript and all six types of headings

Another web page should contain Font Styles and Image tag

The next page should contain Marquee: Move text, image and hyperlink

Finally, create a web page containing other tags: br, hr, pre, p.

Also, create a home page containing links to all the above pages.

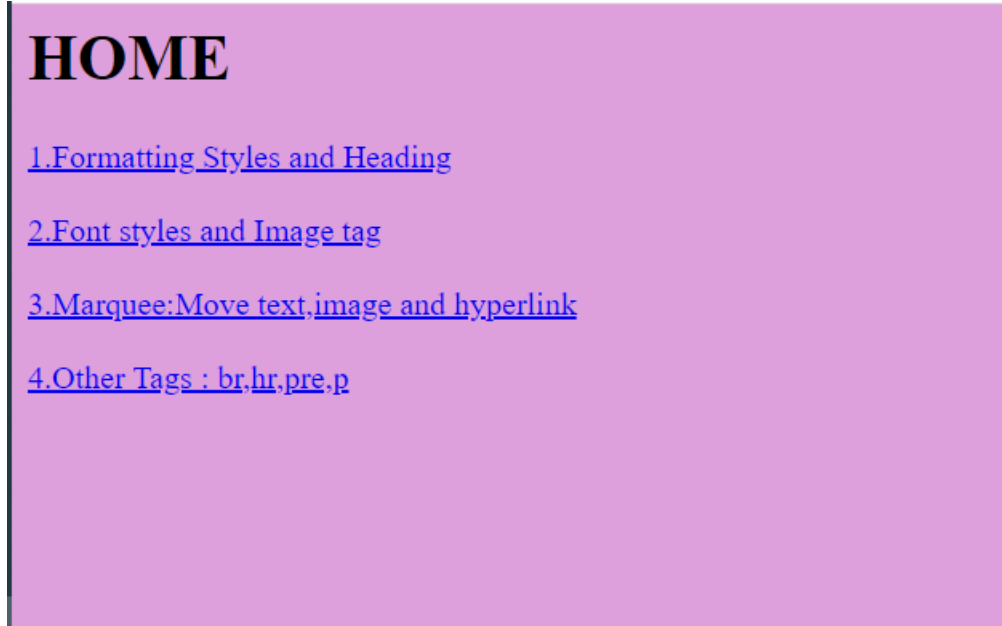
```

<html>
<head>
<title>Links to various pages</title>
</head>
<body bgcolor="plum">
<h1>HOME</h1>
<a href="C:/Users/DELL/OneDrive/Desktop/page1.html" target="_blank">
  1.Formatting Styles and Heading
</a>
<br /><br />
<a href="C:/Users/DELL/OneDrive/Desktop/page2.html" target="_blank">
  2.Font styles and Image tag
</a>
<br /><br />
<a href="C:/Users/DELL/OneDrive/Desktop/page3.html" target="_blank">
  3.Marquee:Move text,image and hyperlink
</a>
<br /><br />
<a href="C:/Users/DELL/OneDrive/Desktop/page4.html" target="_blank">
  4.Other Tags : br,hr,pre,p

```

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

OUTPUT:



```
<html>
<head>
  <title>FORMATTING STYLES AND HEADINGS</title>
  <base href="C:/Users/DELL/OneDrive/Desktop/PAGE1.html">
</head>
<body text="green" bgcolor="goldenrod">
<h1 style="color:black">FORMATTING STYLES</h1>
<p><em style="color:white;">Making text Bold:</em> We can make the text bold using the (b) tag.
The tag uses both opening and closing tags. The text that needs to be made bold must be within (b) and
(/b) tag.</p>

<p><em style="color:white;">Making text Italic:</em> The <i> tag is used to italicise the text. It
opens with <i> and ends with </i> tag.</p>

<p><em style="color:white;">Underlined Text:</em> Anything that appears within <u>...</u>
element, is displayed with underline .</p>

<p><em style="color:white;">Strike Text:</em>Anything that appears within <strike>...</strike>
element is displayed with strikethrough, which is a thin line through the text </p>
```

```


<p><em style="color:white;">Superscript Text:</em>The content of a <sup>...</sup> element is
written in superscript; the font size used is the same size as the characters surrounding it but is
displayed half a character's height above the other characters.</p>

<p><em style="color:white;">Subscript Text:</em> The content of a <sub>...</sub> element is
written in subscript; the font size used is the same as the characters surrounding it, but is displayed half
a character's height beneath the other characters</p>

<br>
<h1 style="color:black">HEADINGS</h1>

```

<p>Search engines use the headings to index the structure and content of your web pages. Users often skim a page by its headings. It is important to use headings to show the document structure.

(h1) headings should be used for main headings, followed by (h2) headings, then the less important (h3), and so on.</p>

<p>HTML headings are defined with the (h1) to (h6) tags.

<p> (h1) defines the most important heading. (h6) defines the least important heading.</p>

```



```

```

<br>

```

```

<p style="color:white">Visit the <a href="home.html">home</a>.</p>

```

```

</body>

```

```

</html>

```

OUTPUT:

FORMATTING STYLES

Making text Bold: We can make the text bold using the (b) tag. The tag uses both opening and closing tags. The text that needs to be made bold must be within (b) and (/b) tag.

```
<html>

  <head>
    <title>Bold Text Example</title>
  </head>

  <body>
    <p>The following word uses a <b>bold</b> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses a **bold** typeface.

Making text Italic: The tag is used to italicise the text. It opens with and ends with tag.

```
<html>

  <head>
    <title>Italic Text Example</title>
  </head>

  <body>
    <p>The following word uses an <i>italicized</i> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses an *italicized* typeface.

Underlined Text: Anything that appears within <u> element, is displayed with underline.

```
<html>

  <head>
    <title>Underlined Text Example</title>
  </head>

  <body>
    <p>The following word uses an <u>underlined</u> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses an underlined typeface.

Strike Text: Anything that appears within `` element is displayed with strikethrough, which is a thin line through the text

```
<html>

  <head>
    <title>Strike Text Example</title>
  </head>

  <body>
    <p>The following word uses a <del>strikethrough</del> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses a ~~strikethrough~~ typeface.

Superscript Text: The content of a `<sup>` element is written in superscript; the font size used is the same size as the characters surrounding it but is displayed half a character's height above the other characters.

```
<html>

  <head>
    <title>Superscript Text Example</title>
  </head>

  <body>
    <p>The following word uses a <sup>superscript</sup> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses a ^{superscript} typeface.

Subscript Text: The content of a `<sub>` element is written in subscript; the font size used is the same as the characters surrounding it, but is displayed half a character's height beneath the other characters

```
<html>

  <head>
    <title>Subscript Text Example</title>
  </head>

  <body>
    <p>The following word uses a <sub>subscript</sub> typeface.</p>
  </body>

</html>
```

This will produce the following result –

The following word uses a _{subscript} typeface.

HEADINGS

Search engines use the headings to index the structure and content of your web pages. Users often skim a page by its headings. It is important to use headings to show the document structure. (*h1*) headings should be used for main headings, followed by (*h2*) headings, then the less important (*h3*), and so on.

HTML headings are defined with the (*h1*) to (*h6*) tags.

(*h1*) defines the most important heading. (*h6*) defines the least important heading.

```
<html>
<body>

<h1>Heading 1</h1>
<h2>Heading 2</h2>
<h3>Heading 3</h3>
<h4>Heading 4</h4>
<h5>Heading 5</h5>
<h6>Heading 6</h6>

</body>
</html>
```

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

Visit the [home](#)

FONT STYLES

1. **HTML Font Family:** The font family changes the font style of a text and can be used in any text writing tag like or heading tag. These font families include all the names that you find in Microsoft Office or any other writing-based software.



2. **HTML Font Size:** The font size changes the size of a text and this can also be used in any text writing tag like or heading tag. The units can be given in "b" or pixels or other units can also be included.



3. **HTML Font Color:** The font color tag changes the color of a text and can be used in any text writing tag like or heading tag. We can use both name of the colors or also the color codes that is mainly used in Photoshop



4. **HTML Text Align:** The text alignment tag is used to change the alignment of a text including center, left or right alignment.



5. **HTML Background Color:** Using this attribute we can change the color of the background page or web page. This attribute is used along with the body tag to change the whole color of the body. It can also be used along with the text tags to change the text block's color



Q16. Create a Table to display the following table with items in the Décor using ordered lists and Hyperlinks. On the click of the Décor items, suitable pages with their images and information should be displayed.

```
<html>
<head>
<title>Houses For Sale</title>
</head>
<body link="white" vlink="darkblue" alink="red" style="background: rgb(30, 51, 24);">
<h1 style="font-family: cursive; font-size: 40px; color: white;" align="center">House
Available For Sale</h1>
<table border="6" cellpadding="5" width="500px" align="center" style="background:
rgb(191, 166, 238); border-color: rgb(0, 128, 100); border-inline-color: yellow;">
<tr>
<th width="15%">HOUSE TYPE</th>
<th width="35%">DECOR</th>
<th width="25%">ROOMS</th>
<th width="15%">PRICE SQ/Ft.</th>
</tr>
<tr>
<td colspan="4" align="center">VAT of 12.5% Applicable</td>
</tr>
<tr>
<th>VILLAS</th>
<td>
<ol>
<li><a href="https://www.archilovers.com/projects/268872/moderndining-room-in-luxury-
villa.html#images">Dining Room</a></li>
<li><a href="https://www.architectmagazine.com/project-gallery/royalmaster-bedroom-design-in-
luxury-villa">Master BedRoom</li>
<li><a
href="https://www.airbnb.co.in/rooms/52881165?source_impression_id=p3_1641629330_p7vdu75q
MgLy
NScx&guests=1&adults=1">Kid's Room</a></li>
<li><a href="https://www.ministryofvillas.com/villa-kitchens-of-ourdreams/">Kitchen</a></li>
</ol>
</td>
<td>4BHK</td>
<td>Rs.5000</td>
</tr>
<tr>
<th>MANSION</th>
<td>
<ol>
<li><a href="https://www.homestratosphere.com/mansion-dining-roomdesigns/">Dining
Room</a></li>
<li><a href="https://www.homestratosphere.com/mansion-master-bedroomdesigns/">Master
BedRoom</a></li>
```

```

<li><a
href="https://www.wsj.com/articles/SB10001424127887323372504578469382440834810">Kid's
Room</a></li>
<li><a href="https://www.homestratosphere.com/mansion-kitchendesigns/">Kitchen</a></li>
</ol>
</td>
<td>5BHK</td>
<td>Rs.7000</td>
</tr>
<tr>
<th>Flats</th>
<td>
<ol>
<li><a href="">Single BedRoom</a></li>
<li><a href="">Double BedRoom</a></li>
</ol>
</td>
<td>
1BHK<br>
2BHK
</td>
<td> Rs.500<br>
Rs.700
</td>
</tr>
</table>
</body>
</html>

```

OUTPUT:

House Available For Sale

HOUSE TYPE	DECOR	ROOMS	PRICE SQ/Ft.
VAT of 12.5% Applicable			
VILLAS	1. Dining Room 2. Master BedRoom 3. Kid's Room 4. Kitchen	4BHK	Rs.5000
MANSION	1. Dining Room 2. Master BedRoom 3. Kid's Room 4. Kitchen	5BHK	Rs.7000
Flats	1. Single BedRoom 2. Double BedRoom	1BHK 2BHK	Rs.500 Rs.700

Q17.Create a two-column frameset with the left frame containing bulleted list of items with hyperlinks. While the right frame is further divided into two rows of frames. The top frame contains the header and the bottom frame displays the description of an animal which the user clicks on the left frame.

Solution:

Frameset:

```
<html>
<head>
<title>Frame Example</title>
<frameset cols="100, *">
<frame name="sidebar" src="sidebar.html"/>
<frameset rows="100, *">
<frame name="header" src="header.html"/>
<frame name="content" src=""/>
</frameset>
</html>
```

Header:

```
<html>
<head>
<title>Sidebar</title>
</head>
<body >

<h1><center>Select any one item</center></h1>

</body>
</html>
```

ELEPHANT :

```
<html><head><title>Animals </title></head>
<body bgcolor="black">
<font face="Times New Roman" size='5' color='White'><center><h3>Elephant</h3></center>
<center></center>
<br><hr>
<p><center>Animal name - Elephant</center><br>
Obviously the biggest land vertebrate on earth, the African elephant weighs as much as eight tons. The
elephant is recognized by its gigantic body, huge ears and a long trunk, All African elephants,
including females, have tusks. African elephants, particularly more seasoned bulls and youthful guys,
can be forceful notwithstanding when they're not incited. Most passings happen by the elephant
stomping their exploited people to death.
```

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

LION :

```
<html>
<head>
<title>Animals </title>
</head>
<body bgcolor="black">
<font face="Times New Roman" size='5' color='White'><center><h3>Lion</h3></center>
<center></center>
<br><hr>
```

```
<p><center>Animal name - Lion</center><br>
The lion (Panthera leo) is a large cat of the genus Panthera native to Africa and India. It has a
muscular, deep-chested body, short, rounded head, round ears, and a hairy tuft at the end of its tail. It
is sexually dimorphic; adult male lions are larger than females and have a prominent mane. It is a
social species, forming groups called prides. A lion's pride consists of a few adult males, related
females, and cubs. Groups of female lions usually hunt together, preying mostly on large ungulates.
The lion is an apex and keystone predator; although some lions scavenge when opportunities occur
and have been known to hunt humans, the species typically does not.
```

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

POLAR BEAR :

```
<html><head><title>Animals </title></head>
<body bgcolor="black">
<font face="Times New Roman" size='5' color='White'><center><h3>polar
bear</h3></center>
<center></center>
```


<hr>

<p><center>Animal name - polar bear</center>

The Polar bear is double the heaviness of a Siberian tiger. Most grown-up guys weigh from 400 to 600 kg. They have an amazing feeling of smell, visual perception just as hearing which encourages them to get by in the unfavourable virus states of Arctic. It is also listed as one of the apex predators in the world.

</body>

</html>

WOLF:

<html><head><title>Animals </title></head>

<body bgcolor="black">

<font face='Times New Roman' size='5'

color='White'><center><h3>Wolf</h3></center>

<center></center>

<hr>

<p><center>Animal name - wolf</center>

wolf, any of two species of wild doglike carnivores. The gray, or timber, wolf (Canis lupus) is the better known. It is the largest nondomestic member of the dog family (Canidae) and inhabits vast areas of the Northern Hemisphere

The wolf is built for travel. Its long legs, large feet, and deep but narrow chest suit it well for life on the move. Keen senses, large canine teeth, powerful jaws, and the ability to pursue prey at 60 km (37 miles) per hour equip the wolf well for a predatory way of life

</body>

</html>

Outcome:

Select any one item

Animal

[elephant](#)

[Lion](#)

[polar](#)

[bear](#)

[wolf](#)

Select any one item

Animal

[elephant](#)

[Lion](#)

[polar](#)

[bear](#)

[wolf](#)

Elephant



Animal name - Elephant

Obviously the biggest land vertebrate on earth, the African elephant weighs as much as eight tons. The elephant is recognized by its gigantic body, huge ears and a long trunk, All African elephants, including females, have tusks. African elephants, particularly more seasoned bulls and youthful guys, can be forceful notwithstanding when they're not incited. Most passings happen by the elephant stomping their exploited people to death.

Select any one item

Animal

[elephant](#)

[Lion](#)

[polar](#)

[bear](#)

[wolf](#)

Lion



Animal name - Lion

The lion (*Panthera leo*) is a large cat of the genus *Panthera* native to Africa and India. It has a muscular, deep-chested body, short, rounded head, round ears, and a hairy tuft at the end of its tail. It is sexually dimorphic; adult male lions are larger than females and have a prominent mane. It is a social species, forming groups called prides. A lion's pride consists of a few adult males, related females, and cubs. Groups of female lions usually hunt together, preying mostly on large ungulates. The lion is an apex and keystone predator; although some lions scavenge when opportunities occur and have been known to hunt humans, the species typically does not.

Select any one item

Animal

[elephant](#)

[Lion](#)

[polar](#)

[bear](#)

[wolf](#)

polar bear



Animal name - polar bear

The Polar bear is double the heaviness of a Siberian tiger. Most grown-up guys weigh from 400 to 600 kg. They have an amazing feeling of smell, visual perception just as hearing which encourages them to get by in the unfavourable virus states of Arctic. It is also listed as one of the apex predators in the world.

Select any one item

Animal

[elephant](#)

[Lion](#)

[polar](#)

[bear](#)

[wolf](#)

Wolf



Animal name - wolf

wolf, any of two species of wild doglike carnivores. The gray, or timber, wolf (*Canis lupus*) is the better known. It is the largest nondomestic member of the dog family (*Canidae*) and inhabits vast areas of the Northern Hemisphere The wolf is built for travel. Its long legs, large feet, and deep but narrow chest suit it well for life on the move. Keen senses, large canine teeth, powerful jaws, and the ability to pursue prey at 60 km (37 miles) per hour equip the wolf well for a predatory way of life

Q18. Display an image using the tag. Show the use of its attributes like width, height, alt, border etc.

Solution:

```
<html>
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>image</title>

</head>
<body style="background-color: rgb(48, 156, 48);">
  <h1 style="font-family: 'Times New Roman', Times, serif; color: rgb(54, 21, 145);
background-color: beige; align="center"> Image Tag</h1>
  <center></center>
</body>
</html>
```

Outcome:

Image Tag



Q19. Create a web page containing images with left, right, and center alignment.

Solution:

```
<html>
```

```
<head>
```

```
<title>
```

```
HTML img alt Attribute </title>
```

```
</head>
```

```
<body>
```

```
<h1>HTML img align Attribute</h2>
```

```
<left></left>
```

```
<center></center>
```

```
<right></right>
```

```
</body>
```

```
</html>
```

Outcome:

HTML img align Attribute



Q20. Make an image map showing the usage of shape, coords, href attributes in map definition. Link each hotspot to their respective details. All the web pages should be designed with proper background color, images, font styles and headings.

Solution:

```
<html>
<head>
  <metacharset="UTF-8">
  <metahttp-equiv="X-UA-Compatible"content="IE=edge">
  <metaname="viewport"content="width=device-width, initial-scale=1.0">
  <title>image</title>

</head>
<bodystyle="background-color: rgb(48, 156, 48);">
  <h1style="font-family: 'Times New Roman', Times, serif; color: rgb(54, 21, 145); background-
color: beige;"align="center"> Image Tag</h1>
  <center><imgsrc="C:\Users\Dell\OneDrive\Desktop\New wt projet\1.jpg"alt="Image not
loading"width="300px"height="200px"border="10px"style="border-color: rgb(160, 137,
95);"></center>
</body>
</html>
```

Outcome:



Q21.Create an application form for admission to undergraduate students.

Solution:

```
<html>
<head>
<title>Student Registration Form</title>
<style>
    h3{
        font-family: Calibri;
        font-size: 25pt;
        font-style: normal;
        font-weight: bold;
        color:SlateBlue;
        text-align: center;
        text-decoration: underline
    }

    table{
        font-family: Calibri;
        color:white;
        font-size: 11pt;
        font-style: normal;
        font-weight: bold;
        text-align:;
        background-color: SlateBlue;
        border-collapse: collapse;
        border: 2pxsolidnavy
    }
    table.inner{
        border: 2px
    }
</style>

</head>

<body>
<h3>REGISTRATION FORM</h3>

<tablealign="center"cellpadding = "10">

<tr>
<td>FIRST NAME</td>
<td><inputtype="text"name="First_Name"maxlength="30"/>
(max 30 characters a-z and A-Z)
</td>
</tr>
```

```
<tr>
<td>LAST NAME</td>
<td><input type="text" name="Last_Name" maxlength="30"/>
(max 30 characters a-z and A-Z)
</td>
</tr>
```

```
<tr>
<td>DATE OF BIRTH</td>
```

```
<td>
<select name="Birthday_day" id="Birthday_Day">
<option value="-1">Day:</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
```

```
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
```

```
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</option>
<option value="20">20</option>
<option value="21">21</option>
```

```
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
```

```
<option value="31">31</option>
</select>
```

```
<selectid="Birthday_Month"name="Birthday_Month">
<optionvalue="-1">Month:</option>
<optionvalue="January">Jan</option>
<optionvalue="February">Feb</option>
<optionvalue="March">Mar</option>
<optionvalue="April">Apr</option>
<optionvalue="May">May</option>
<optionvalue="June">Jun</option>
<optionvalue="July">Jul</option>
<optionvalue="August">Aug</option>
<optionvalue="September">Sep</option>
<optionvalue="October">Oct</option>
<optionvalue="November">Nov</option>
<optionvalue="December">Dec</option>
</select>
```

```
<selectname="Birthday_Year" id="Birthday_Year">
```

```
<optionvalue="-1">Year:</option>
<optionvalue="2012">2012</option>
<optionvalue="2011">2011</option>
<optionvalue="2010">2010</option>
<optionvalue="2009">2009</option>
<optionvalue="2008">2008</option>
<optionvalue="2007">2007</option>
<optionvalue="2006">2006</option>
<optionvalue="2005">2005</option>
<optionvalue="2004">2004</option>
<optionvalue="2003">2003</option>
<optionvalue="2002">2002</option>
<optionvalue="2001">2001</option>
<optionvalue="2000">2000</option>
```

```
<optionvalue="1999">1999</option>
<optionvalue="1998">1998</option>
<optionvalue="1997">1997</option>
<optionvalue="1996">1996</option>
<optionvalue="1995">1995</option>
<optionvalue="1994">1994</option>
<optionvalue="1993">1993</option>
<optionvalue="1992">1992</option>
<optionvalue="1991">1991</option>
<optionvalue="1990">1990</option>
```

```
<optionvalue="1989">1989</option>
<optionvalue="1988">1988</option>
<optionvalue="1987">1987</option>
<optionvalue="1986">1986</option>
<optionvalue="1985">1985</option>
<optionvalue="1984">1984</option>
```

```
<optionvalue="1983">1983</option>
<optionvalue="1982">1982</option>
<optionvalue="1981">1981</option>
<optionvalue="1980">1980</option>
</select>
</td>
</tr>
```

```
<tr>
<td>EMAIL ID</td>
<td><inputtype="text"name="Email_Id"maxlength="100"/></td>
</tr>
```

```
<tr>
<td>MOBILE NUMBER</td>
<td>
<inputtype="text"name="Mobile_Number"maxlength="10"/>
(10 digit number)
</td>
</tr>
```

```
<tr>
<td>GENDER</td>
<td>
Male <inputtype="radio"name="Gender"value="Male"/>
Female <inputtype="radio"name="Gender"value="Female"/>
</td>
</tr>
```

```
<tr>
<td>ADDRESS <br/><br/><br/></td>
<td><textareaname="Address"rows="4"cols="30"></textarea></td>
</tr>
```

```
<tr>
<td>CITY</td>
<td><inputtype="text"name="City"maxlength="30"/>
(max 30 characters a-z and A-Z)
</td>
</tr>
```

```
<tr>
<td>PIN CODE</td>
<td><inputtype="text"name="Pin_Code"maxlength="6"/>
(6 digit number)
</td>
```

</tr>

<tr>

<td>STATE</td>

<td><input type="text" name="State" maxlength="30"/>

(max 30 characters a-z and A-Z)

</td>

</tr>

<tr>

<td>COUNTRY</td>

<td><input type="text" name="Country" value="India" readonly="readonly"/></td>

</tr>

<tr>

<td>QUALIFICATION

</td>

<td>

<table>

<tr>

<td align="center">Sl.No.</td>

<td align="center">Examination</td>

<td align="center">Board</td>

<td align="center">Percentage</td>

<td align="center">Year of Passing</td>

</tr>

<tr>

<td>1</td>

<td>Class X</td>

<td><input type="text" name="ClassX_Board" maxlength="30"/></td>

<td><input type="text" name="ClassX_Percentage" maxlength="30"/></td>

<td><input type="text" name="ClassX_YrOfPassing" maxlength="30"/></td>

</tr>

<tr>

<td>2</td>

<td>Class XII</td>

<td><input type="text" name="ClassXII_Board" maxlength="30"/></td>

<td><input type="text" name="ClassXII_Percentage" maxlength="30"/></td>

<td><input type="text" name="ClassXII_YrOfPassing" maxlength="30"/></td>

</tr>

<tr>

<td>3</td>

<td>Graduation</td>

```
<td><input type="text" name="Graduation_Board" maxlength="30"/></td>
<td><input type="text" name="Graduation_Percentage" maxlength="30"/></td>
<td><input type="text" name="Graduation_YrOfPassing" maxlength="30"/></td>
</tr>
```

```
<tr>
<td></td>
<td></td>
<td align="center">(10 char max)</td>
<td align="center">(upto 2 decimal)</td>
</tr>
</table>
```

```
</td>
</tr>
```

```
<tr>
<td>COURSES<br/>APPLIED FOR</td>
<td>
BCA
<input type="radio" name="Course_BCA" value="BCA">
B.Com
<input type="radio" name="Course_BCom" value="B.Com">
B.Sc
<input type="radio" name="Course_BSc" value="B.Sc">
B.A
<input type="radio" name="Course_BA" value="B.A">
</td>
</tr>
```

```
<tr>
<td colspan="2" align="center">
<input type="submit" value="Submit">
<input type="reset" value="Reset">
</td>
</tr>
</table>
```

```
</form>
```

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

Output:

REGISTRATION FORM

FIRST NAME

(max 30 characters a-z and A-Z)

LAST NAME

(max 30 characters a-z and A-Z)

DATE OF BIRTH

Day: Month: Year:

EMAIL ID

MOBILE NUMBER

(10 digit number)

GENDER

Male ☐ Female ☐

ADDRESS

CITY

(max 30 characters a-z and A-Z)

PIN CODE

(6 digit number)

STATE

(max 30 characters a-z and A-Z)

COUNTRY

India

QUALIFICATION

Sl.No.	Examination	Board	Percentage	Year of Passing
1	Class X			
2	Class XII			
3	Graduation			

(10 char max)

(upto 2 decimal)

COURSES APPLIED FOR

BCA ☐ B.Com ☐ B.Sc ☐ B.A ☐

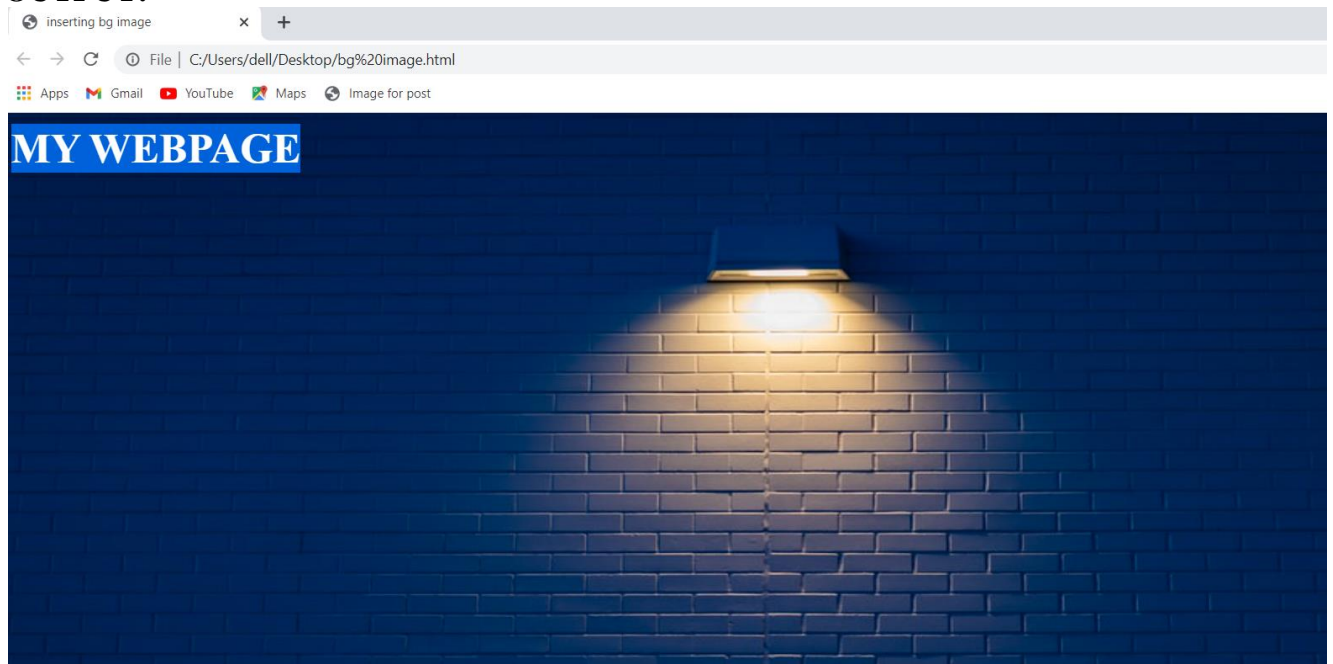
Submit

Reset

Q22. Create a webpage containing a background image and apply all the background styling attributes

```
<html>
<head>
<title>inserting bg image</title>
</head>
<body background="C:\Users\Dell\Pictures\img.jpg" style="background-repeat:no-repeat;background-size:100% 100%" color:white;>
<h1>MY WEBPAGE</h1>
</body>
</html>
```

OUTPUT:



Q23. Create a web page showing the usage of font styling attributes.

```
<html>
<head>
<style>
.p1 {
font-family: "Copperplate", "Papyrus", 'Fantasy';
font-size: 40px;
}
.p2 {
font-family: Arial, Helvetica, sans-serif;
font-size: 20px;
}
.p3 {
font-family: "Lucida Console", "Courier New", monospace;
font-variant: small-caps;
font-size: 30px;
}
p.a {
font-style: normal;
}
p.b {
font-style: italic;
font-size: 30px;
}
p.c {
font-style: oblique;
}
</style>
</head>
<body>
<h1>CSS font-styling</h1>
<p class="p1">This is a paragraph, shown in the Copperplate font.</p>
<p class="p2">This is a paragraph, shown in the Arial font.</p>
<p class="p3">This Is a Paragraph, Shown In The Lucida Console font.</p>
<p class="a">This is a paragraph, normal.</p>
<p class="b">This is a paragraph, italic.</p>
<p class="c">This is a paragraph, oblique.</p>
</body>
</html>
```

OUTPUT:

CSS font-styling

This is a paragraph, shown in the Copperplate font.

This is a paragraph, shown in the Arial font.

THIS IS A PARAGRAPH, SHOWN IN THE LUCIDA CONSOLE FONT.

This is a paragraph, normal.

This is a paragraph, italic.

This is a paragraph, oblique.

Q24. Create a webpage and apply all Text styling attributes use ID and class selector.

```
<html>
<head>
<style>
span.highlight {
background-color: yellow;
}
h1.highlight {
background-color: pink;
}
.notebox {
border: 4px solid #666;
padding: .5em;
}
.notebox.warning {
border-color: orange;
font-weight: bold;
}
.notebox.danger {
border-color: red;
font-weight: bold;
}
#one {
background-color: yellow;
}
h1#heading {
color: rebeccapurple;
}
p.a{
font-style: italic;
font-size: 30px;
}
.p3 {
font-family: "Lucida Console", "Courier New", monospace;
font-variant: small-caps;
font-size: 30px;
}
</style>
</head>
<body>
<h1 class="highlight">Class selectors</h1>
<p class="a">The class selector starts with a dot (.) character. It will select everything in
the document with that class applied to it. <span class="highlight">The class attribute is
often used to point to a class name in a style sheet.</span> he class attribute can be used
on any HTML element</p>
<p class="highlight">HTML elements can belong to more than one class. To define multiple
classes, separate the class names with a space,<strong>e.g. <div class="city
main"></div></strong> The element will be styled according to all the classes specified.</p>
<div class="notebox">
This is an informational note.
```

```
</div>
<br>
<div class="notebox warning">
This note shows a warning.
</div>
<br>
<div class="notebox danger">
This note shows danger!
</div>
<br>
<div class="danger">
</div>
<h1 id="heading">ID selector</h1>
<p class="p3">The HTML Id Attribute Is Used To Specify a Unique Id For An HTML Element.The
Id
Attribute Specifies a Unique Id For An HTML Element.
The Value Of The Id Attribute Must Be Unique Within The HTML Document</p>
<p id="one">The id attribute is used to point to a specific style declaration in a style
sheet.
It is also used by JavaScript to access and manipulate the element with the specific id.
<strong>The syntax for id is: write a hash character (#), followed by an id name.
Then, define the CSS properties within curly braces { }.</strong>The id name must contain at
least one character, cannot start with a number,
and must not contain whitespaces (spaces, tabs, etc.). </p>
</body>
</html>
```

OUTPUT:

Class selectors

The class selector starts with a dot (.) character. It will select everything in the document with that class applied to it. The class attribute is often used to point to a class name in a style sheet. The class attribute can be used on any HTML element

HTML elements can belong to more than one class. To define multiple classes, separate the class names with a space, e.g.

The element will be styled according to all the classes specified.

This is an informational note.

This note shows a warning.

This note shows danger!

ID selector

THE HTML ID ATTRIBUTE IS USED TO SPECIFY A UNIQUE ID FOR AN HTML ELEMENT. THE ID ATTRIBUTE SPECIFIES A UNIQUE ID FOR AN HTML ELEMENT. THE VALUE OF THE ID ATTRIBUTE MUST BE UNIQUE WITHIN THE HTML DOCUMENT

The id attribute is used to point to a specific style declaration in a style sheet. It is also used by JavaScript to access and manipulate the element with the specific id. The syntax for id is: write a hash character (#), followed by an id name. The define the CSS properties within curly braces {}. The id name must contain at least one character, cannot start with a number, and must not contain whitespaces (spaces, tabs, etc.).

Q25 Create a webpage and implement all list styling attributes.

```
<html>
<head>
<style>
ol {
  background: #ff9999;
  padding: 20px;
}

ul {
  background: #3399ff;
  padding: 20px;
}

ol li {
  background: #ffe5e5;
  color: darkred;
  padding: 5px;
  margin-left: 35px;
}

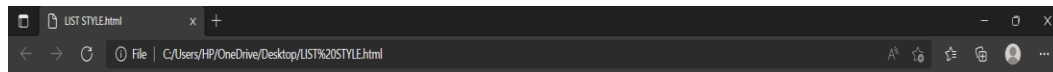
ul li {
  background: #cce5ff;
  color: darkblue;
  margin: 5px;
}
</style>
</head>
<body>

<h1>Styling Lists With Colors</h1>

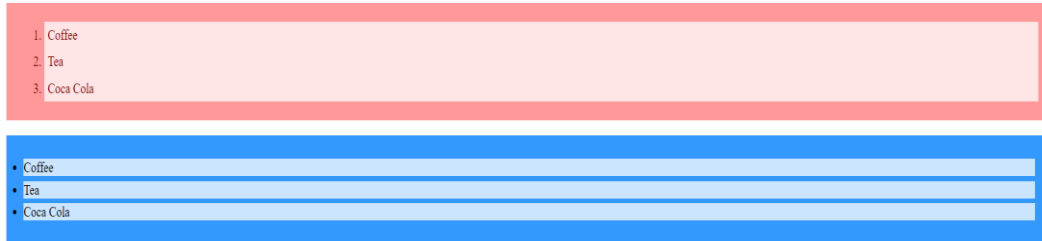
<ol>
<li>Coffee</li>
<li>Tea</li>
<li>Coca Cola</li>
</ol>
<ul>
<li>Coffee</li>
<li>Tea</li>
<li>Coca Cola</li>
</ul>
</body>
```

</html>

OUTPUT



Styling Lists With Colors



26.Create a Webpage with three equal columns.

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
* {
  box-sizing: border-box;
}

/* Create three equal columns that floats next to each other */
.column {
  float: left;
  width: 33.33%;
  padding: 10px;
  height: 300px; /* Should be removed. Only for demonstration */
}

/* Clear floats after the columns */
.row:after {
  content: "";
  display: table;
  clear: both;
}

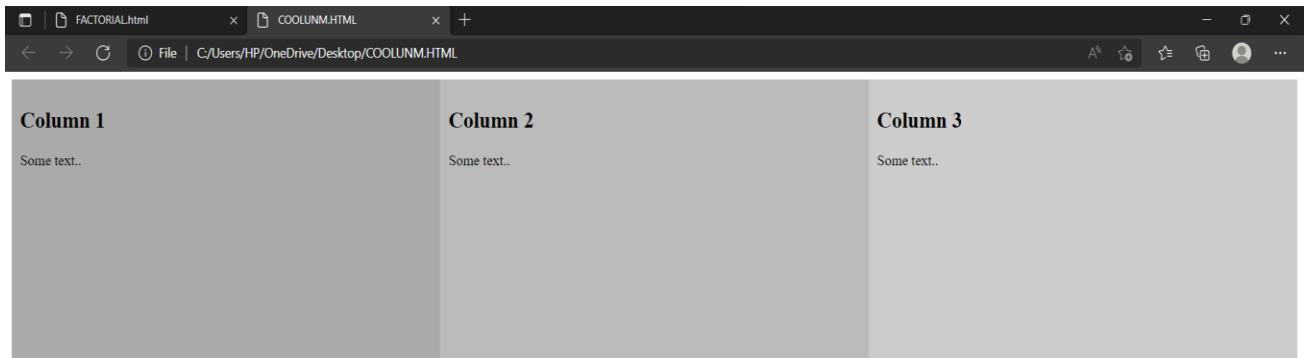
/* Responsive layout - makes the three columns stack on top of each other instead of
next to each other */
@media screen and (max-width: 600px) {
  .column {
    width: 100%;
  }
}
</style>
</head>
<body>

<div class="row">
<div class="column" style="background-color:#aaa;">
<h2>Column 1</h2>
<p>Some text..</p>
```

```
</div>
<div class="column" style="background-color:#bbb;">
<h2>Column 2</h2>
<p>Some text..</p>
</div>
<div class="column" style="background-color:#ccc;">
<h2>Column 3</h2>
<p>Some text..</p>
</div>
</div>

</body>
</html>
```

OUTPUT



Q27 Write a CSS rule that make all text size as 18px and color as red, background color sky blue. Give the heading style font size as 24px, font family as sans-serif, color black and text align as Centre

Solution:

```
<html>
<head></head>
<style>
body{font-size:18px;color:red; background-color:SKYblue;}
h1{ font-size:24px;font-family: sans serif;color:black; align:center;}
</style>
<body>
<h1>WEB TECHNOLOGY</H1><BR>
<PRE>Web Technology refers to the various tools and techniques
that are utilized in the process of communication between different
types of devices over the internet.
A web browser is used to access web pages. Web browsers can be
  defined as programs that display text, data, pictures, animation,
and video on the Internet.
Hyperlinkedresources on the World Wide Web can be accessed
  using software interfaces provided by Web browsers.</PRE>
<h1>SERACH ENGINES</H1><BR>
<PRE>A search engine is a software program that helps people
  find the information they are looking for online using keywords or phrases.
Search engines are able to return results quickly—even with millions of
websites online—by scanning the Internet continuously and indexing every page they
find.
When a user enters a search term, the search engine looks at the website page titles,
contents and keywords it has indexed and uses algorithms (step-by-step operations)
to produce a list of sites—with the most relevant websites at the top of the list.
Companies use search engine optimization (SEO) to help search engines recognize
their websites as highly relevant to particular searches. Popular search engines
include
Google, Bing and Yahoo.</PRE>
</BODY>
</HTML>
```

Output:

WEB TECHNOLOGY

Web Technology refers to the various tools and techniques that are utilized in the process of communication between different types of devices over the internet.

A web browser is used to access web pages. Web browsers can be defined as programs that display text, data, pictures, animation, and video on the Internet.

Hyperlinked resources on the World Wide Web can be accessed using software interfaces provided by Web browsers.

SEARCH ENGINES

A search engine is a software program that helps people find the information they are looking for online using keywords or phrases. Search engines are able to return results quickly—even with millions of websites online—by scanning the Internet continuously and indexing every page they find. When a user enters a search term, the search engine looks at the website page titles, contents and keywords it has indexed and uses algorithms (step-by-step operations) to produce a list of sites—with the most relevant websites at the top of the list. Companies use search engine optimization (SEO) to help search engines recognize their websites as highly relevant to particular searches. Popular search engines include Google, Bing and Yahoo.

Q28 Create a site of Solar System and insert an image of planets and position the style as absolute and give a proper margins as top ,left, right and bottom.

Solution:

```
<!DOCTYPEhtml>
<htmllang="en">
<head></head>
  <style>
    P{
      text-align: center;
      margin-left: 30%;
      font-color:white;
    }
    body{
      margin-left: 1%;
      margin-right: 1%;
      margin-top: 1%;
      margin-bottom: 1%;
    }
    .a-element {
      position: absolute;
      left: 10px;
      top:60%;
      padding: 10px;
    }
    .sun{
      position: relative;
    }
    .mercury{
      position: absolute;
      left: 33%;
      top: 25%;
    }
    .para1{
      position: absolute;
      left:2%;
      top:40%;
      margin-left: 30%;
```

```
        margin-right: 68%;
        color:white;
    }
    .venus{
        position: absolute;
        left:38%;
        top:30%;
    }
    .para2{
        position: absolute;
        left:15%;
        top:45%;
        margin-left: 25%;
        margin-right: 60%;
        color:white;;
    }
    .earth{
        position: absolute;
        left:45%;
        top: 40%;
    }
    .para3{
        position: absolute;
        left:25%;
        top:50%;
        margin-left: 25%;
        color:white;
        margin-right: 60%;
    }
    .mars{
        position: absolute;
        left:55%;
        top:25%;
    }
    .para4{
        position: absolute;
        left:33%;
        top:58%;
        margin-left: 25%;
        color:white; margin-right: 50%;
    }
    .jupiter{
        position: absolute;
        left:63%;
        top:50%;
    }
    .para5{
        position: absolute;
```

```
    left:40%;
    top:65%;
    margin-left: 25%;
    margin-right: 60%;
    color:white;color:white;
}
.saturn{
    position: absolute;
    left:34%;
    top:35%;
    margin-left: 40%;
}

.para6{
    position: absolute;
    left:51%;
    top:65%;
    margin-left: 25%;
    margin-right: 60%;
    color:white;
}
.uranus{
    position:absolute;
    right: 0px;
    top: 60%;
}
.para7{
    position: absolute;
    left:63%;
    top:80%;
    margin-left: 25%;
    margin-right: 60%;
    color:white;
}
.neptune{
    position: absolute;
    left: 97%;
    top:30%;
}
.para8{
    position: absolute;
    left:78%;
    top:75%;
    margin-left: 25%;
    margin-right: 60%;
    color:white;
}
```

```
</style>

<bodystyle="background-image: url('star.png');">
    <u><b><i>
        <center><fontsize= 20color="white">solar system</font></center></i></b></u>
<!--top-->
    <imgclass="sun"src="sun.png"width="400"height="400"align="left" title="Sun"
    alt="Sun">
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
    <imgclass="mercury"src="mr.png"width="70"height="45"align="middle-
right" title="Mercury"alt="Mercury">
    ~~~~~
    <imgclass="venus"src="vn.png"width="75"height="75"align="middle-
right" title="Venus"alt="Venus">
    ~~~~~
    <imgclass="earth"src="er.png"width="110"height="85"align="middle-
right" title="Earth"alt="Earth">
    ~~~~~
    <imgclass="mars"src="mar.png"width="180"height="170"align="middle-
right" title="Mars"alt="Mars">
    ~~~~~
    <imgclass="jupiter"src="jo.png"width="190"height="120"align="center-
right" title="Jupiter"alt="Jupiter">
    ~~~~~
    <imgclass="saturn"src="sa.png"width="200"height="150"align="center-
right" title="Saturn"alt="Saturn">
    ~~~~~
    <imgclass="uranus"src="uranus.png"width="210"height="150"align="center-
right" title="Uranus"alt="Uranus">
    ~~~~~
    <imgclass="neptune"src="ne.png"width="200"height="200"align="middle-
right" title="Neptune"alt="Neptune">
    <pclass="para1"><b><u>Mercury</u></b><br><br></P>

    <pclass="para2"><b><u>Venus</u></b><br><br></P>

    <pclass="para3"><b><u>Earth</u></b><br><br></P>

    <pclass="para4"><b><u>Mars</u></b><br><br></P>

    <pclass="para5"><b><u>Jupiter</u></b><br><br></P>

    <pclass="para6"><b><u>Saturn</u></b><br><br></P>

    <pclass="para7"><b><u>Uranus</u></b><br><br></P>

    <pclass="para8"><b><u>Neptune</u></b><br><br></P>
</body>
```



```
</html>
```

Output:



Q29. Create a webpage containing bootstrap table.

Solution:

```
<html>
  <head>
    <title>Bootstrap Table Example</title>
    <linkrel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootst
rap.min.css"integrity="sha384-
Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"crossorigin="anonymo
us">
    <scriptsrc="https://code.jquery.com/jquery-3.2.1.slim.min.js"integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"crossorigin="anonymo
us"></script>
    <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js
"integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"crossorigin="anonymo
us"></script>
    <scriptsrc="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"integ
rity="sha384-
JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmY1"crossorigin="anonymo
us"></script>
  </head>
  <body>
    <divclass="container">
      <DIVclass="table-responsive">
        <h1>Bootstrap Table Styles</h1>
        <tableclass="table table-sm table-striped">
          <caption>Class Time Table</caption>
          <theadclass="thead-dark">
            <tr>
              <th>Time Slot</th>
              <th>Course</th>
              <th>Course Faculty</th>
            </tr></thead>
            <trclass="table-success">
              <td>08:00 AM - 09:00 AM</td>
              <td>Python</td>
              <td>A</td>
            </tr>
            <tr>
              <td>09:00 AM - 10:00 AM</td>
              <td></td>
              <td></td>
            </tr>
            <tr>
              <td>10:00 AM - 11:00 AM</td>
              <td>AI</td>
              <td>B</td>
            </tr>
          </tbody>
        </table>
      </div>
    </body>
  </html>
```

```

        <tr>
        <td>11:00 AM - 01:00 PM</td>
        <td></td>
        <td></td>
        </tr>
        <tr>
        <td>01:00 PM - 03:00 PM</td>
        <td>Mean Stack</td>
        <td>C</td>
        </tr>
        <tr>
        <td>03:00 PM - 04:00 PM</td>
        <td></td>
        <td></td>
        </tr>
        <tr>
        <td>04:00 PM - 06:00 PM</td>
        <td>Programming</td>
        <td>D</td>
        </tr>
    </table>
</DIV>
</div>
</body>
</html>

```

Bootstrap Table Styles

Time Slot	Course	Course Faculty
08:00 AM - 09:00 AM	Python	A
09:00 AM - 10:00 AM		
10:00 AM - 11:00 AM	AI	B
11:00 AM - 01:00 PM		
01:00 PM - 03:00 PM	Mean Stack	C
03:00 PM - 04:00 PM		
04:00 PM - 06:00 PM	Programming	D

Class Time Table

Output:

Q30. Create a webpage containing various types of images.

Solution:

```
<!DOCTYPEhtml>
<html><lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>

<div class="container">
  <h3>Circle</h3>
  <br>
  <hr>
  <h3>Rounded</h3>
  
  <br><hr>
  <h3>Thumbnail</h3>
  
  <br><hr>
  \
</div>

</body>
</html>
```

Output:

Circle



Rounded



Thumbnail



Q31.Create a webpage containing various types of buttons.

Solution:

```
<html>
  <head>
    <title>Button Examples</title>
    <linkrel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"integrity="sha384-Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"crossorigin="anonymous">
    <scriptsrc="https://code.jquery.com/jquery-3.2.1.slim.min.js"integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"crossorigin="anonymous"></script>
    <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"crossorigin="anonymous"></script>
    <scriptsrc="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"integrity="sha384-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmY1"crossorigin="anonymous"></script>

    <style>
      .d1{
        margin-top: 20px;
      }
    </style>
  </head>
  <body>
    <divclass="container d1">

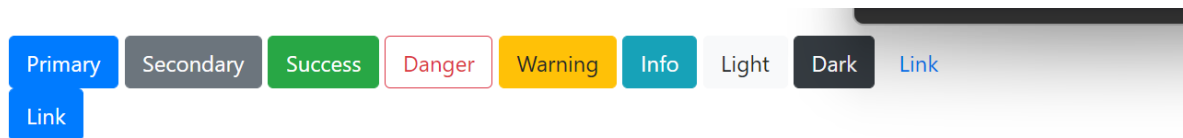
    <buttontype="button"class="btn btn-primary">Primary</button>
    <buttontype="button"class="btn btn-secondary">Secondary</button>
    <buttontype="button"class="btn btn-success">Success</button>
    <buttontype="button"class="btn btn-outline-danger">Danger</button>
    <buttontype="button"class="btn btn-warning">Warning</button>
    <buttontype="button"class="btn btn-info">Info</button>
    <buttontype="button"class="btn btn-light">Light</button>
    <buttontype="button"class="btn btn-dark">Dark</button>
```

```
<button type="button" class="btn btn-link">Link</button><br/>
<a class="btn btn-primary" href="#" role="button">Link</a>

</div>

</body>
</html>
```

Output:



Q32.Create a webpage containing various, typography classes.

Solution:

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
  <title>Bootstrap Example</title>
  <metacharset="utf-8">
  <metaname="viewport"content="width=device-width, initial-scale=1">
  <linkrel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/boot
strap.min.css">
  <scriptsrc="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scr
ipt>
  <scriptsrc="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></
script>
</head>
<body>

<divclass="container">
  <pclass="h2">Highlight Text</p>
  <p>Use the mark element to <mark>highlight</mark>text.</p>
  <pclass="text-muted">It is used for text color, text-muted fades the text. i.e.
text greyed out</p>
  <h1class="display-1">Display 1</h1>

<h1class="display-2">Display 2</h1>

<h1class="display-3">Display 3</h1>

<h1class="display-4">Display 4</h1>
<pclass="lead">

  Vivamussagittislacusvelauguelaoreetrutrumfaucibusdolor auctor. Duis mollis, est
non commodoluctus.

</p>

<blockquoteclass="blockquote">

  <pclass="mb-0">Lorem ipsum dolor sit amet, consecteturadipiscingelit. Integer
posuereerat a ante.</p>

</blockquote>
<h1>Abbreviations</h1>
<p>The abbr element is used to mark up an abbreviation or acronym:</p>
<p>The <abbrtitle="World Health Organization">WHO</abbr> was founded in 1948.</p>
<h2>Contextual Colors</h2>
<p>Use the contextual classes to provide "meaning through colors":</p>
<pclass="text-muted">This text is muted.</p>
```

```
<pclass="text-primary">This text is important.</p>
<pclass="text-success">This text indicates success.</p>
<pclass="text-info">This text represents some information.</p>
<pclass="text-warning">This text represents a warning.</p>
<pclass="text-danger">This text represents danger.</p>
</div>

</body>
</html>
```

Output:

Highlight Text

Use the mark element to **highlight** text.

It is used for text color, text-muted fades the text. i.e. text greyed out

Display 1

Display 2

Display 3

Display 4

Vivamus sagittis lacus vel augue laoreet rutrum faucibus dolor auctor. Duis mollis, est non commodo luctus.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Abbreviations

The abbr element is used to mark up an abbreviation or acronym:

The WHO was founded in 1948.

Contextual Colors

Use the contextual classes to provide "meaning through colors":

This text is muted.

This text is important.

This text indicates success.

This text represents some information.

This text represents a warning.

This text represents danger.

Q33Create a webpage containing to display the heading using Jumbotron Solution:

```
<!DOCTYPEhtml>
<html>
  <html>
    <head>
      <title>Bootstrap Example</title>
      <meta charset="utf-8">
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
      <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
    </head>
    <body>
      <div class="jumbotron">

        <h1 class="display-4">Hello, world!</h1>

        <p class="lead">This is a simple hero unit, a simple jumbotron-style component for calling extra attention to featured content or information.</p>

        <hr class="my-4">

        <p>It uses utility classes for typography and spacing to space content out within the larger container.</p>

        <p class="lead">

          <a class="btn btn-primary btn-lg" href="#" role="button">Learn more</a>

        </p>

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

Output:

Hello, world!

This is a simple hero unit, a simple jumbotron-style component for calling extra attention to featured content or information.

It uses utility classes for typography and spacing to space content out within the larger container.

[Learn more](#)

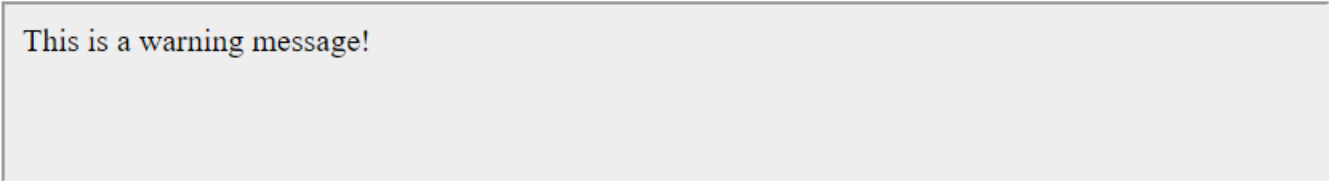
QS 34 Create a web page to show the usage of alert box and confirm box

Alert Dialog Box

```
<html>
<head>
<script type = "text/javascript">
<!--
    function Warn() {
        alert ("This is a warning message!");
        document.write ("This is a warning message!");
    }
    //-->
</script>
</head>

<body>
<p>Click the following button to see the result: </p>
<form>
<input type = "button" value = "Click Me" onclick = "Warn();" />
</form>
</body>
</html>
```

Output



This is a warning message!

Confirmation Dialog Box

```
<html>
<head>
<script type = "text/javascript">
<!--
    function getConfirmation() {
        var retVal = confirm("Do you want to continue ?");
        if( retVal == true ) {
            document.write ("User wants to continue!");
            return true;
        } else {
            document.write ("User does not want to continue!");
            return false;
        }
    }
    //-->
</script>
```

```
</head>
```

```
<body>
```

```
<p>Click the following button to see the result: </p>
```

```
<form>
```

```
<input type = "button" value = "Click Me" onclick = "getConfirmation();" />
```

```
</form>
```

```
</body>
```

```
</html>
```

Output

Click the following button to see the result:

Click Me

User wants to continue!

35. Write a JavaScript to accept your name and display it.
Sol

```
<HTML>
```

```
<HEAD>Nivedita agarwal
```

```

<TITLE></TITLE>
<SCRIPT>
function valid(form) {
    var input = form.data.value;
    alert("Hello " + input + " ! Welcome...");
}
</SCRIPT>
</HEAD>
<BODY>
    Click on the button after inputting your name into the text box:<BR>
    <FORM>
    <INPUT TYPE="text" NAME="data">
    <INPUT TYPE="button" VALUE="Click Here" onClick="valid(this.form)">
    </FORM>
</BODY>
</HTML>

```

OUTPUT :-

Nivedita agarwal Click on the button after inputting your name into the text box:

This page says

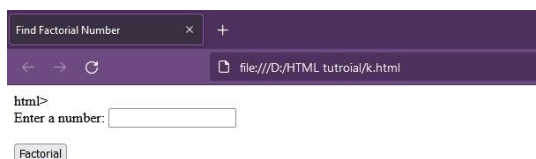
Hello nivedita agarwal ! Welcome...

36. Write a JavaScript code to accept 10 numbers and check how many are +ive, -ive and zero.

Sol

```
<html>
<head><br>
<title> Find Factorial Number </title>
</head>
<body>
Enter a number: <input id = "num">
<br><br>
<button onclick = "fact ()"> Factorial </button>
<p id = "res"></p>
<script> function fact () { var i, num, f; f = 1;
num = document. getElementById("num").value;
for (i = 1; i<= num; i++)
{
ff = f * i;
}
ii=i-1;
document. getElementById("res").innerHTML = "The factorial of the number " + i + "
is: " + f ;
}
</script>
</body></html>
```

OUTPUT :-

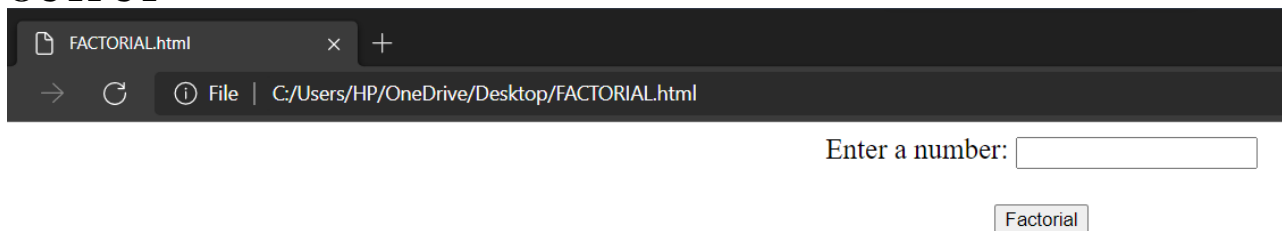


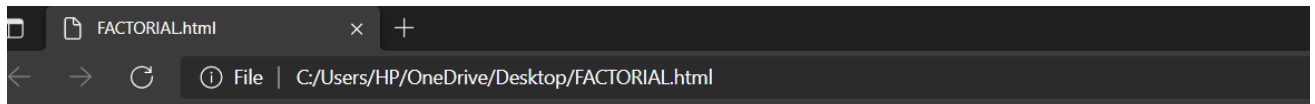
37. Write a Program in JavaScript to find the factorial of a number between 1 to 10

SOL

```
<!DOCTYPE html>
<html>
<head>
</head>
<body style = "text-align: center; font-size: 20px;">
Enter a number: <input id = "num">
<br><br>
<button onclick = "fact()"> Factorial </button>
<p id = "res"></p>
<script>
function fact(){
var i, num, f;
f = 1;
num = document.getElementById("num").value;
for(i = 1; i <= num; i++)
{
ff = f * i;
}
ii = i - 1;
document.getElementById("res").innerHTML = "The factorial of the number " + i + "
is: " + f ;
}
</script>
</body>
</html>
```

OUTPUT





Enter a number:

Factorial

The factorial of the number 7 is: 5040

38. Write a Program in JavaScript to find reverse of a number.

Sol

```
function reverse_a_number(n)
{
    n = n + "";
    return n.split("").reverse().join("");
}
console.log(Number(reverse_a_number(32243)));
```

OUTPUT



34223

39. Write a JavaScript code block, which greets a user with a message 'Welcome'. When a user leaves this page, the 'Good-bye' alert dialog box is displayed

SOL

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>JAVA SCRIPT</title>
<script language="javascript"

type="text/javascript">document.write("WELCOME TO THE JAVA
PAGE");    var retval = prompt("WELCOME TO THE PAGE");

var retval = confirm("Do you want to leave this page");    if (retval ==
true)

    {
        alert ("GOOD BYE !");
    }
</script>
</head>
<body bgcolor="skyblue"></body></html>
```

OUTPUT: -

WELCOME TO THE JAVA PAGE

file://

WELCOME TO THE PAGE

OK Cancel

WELCOME TO THE JAVA PAGE

file://

Do you want to leave this page

☐ Don't allow this site to prompt you again

OK Cancel

WELCOME TO THE JAVA PAGE

file://

GOOD BYE !

☐ Don't allow this site to prompt you again

OK

40. Write a script that reads a date from an HTML form and creates a Date object in which to store that date. Then, use the various method of Date object to display the date in several formats.

Sol

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>DATE</title>
</head>
<style> .container{ font-size:
40px; background-color:
bisque; border: 4px solid red;
padding: 34px; margin: 5px;
text-align: center;
}
#time{
font-weight: bold;
}
</style>
<body>
<div class="container">
Current time is <span id="time"></span>

</div><script>
console.log("This is date and time tutorial"); let dt
=new Date(); console.log(dt);
let newDate = new Date("2029-09-30"); console.log(newDate);

let yr =newDate.getFullYear();
console.log("the year is ", yr); let date
=newDate.getDate(); console.log("the
Date is ", date);
setInterval(updateTime,1000);
function updateTime(){
time.innerHTML = new Date();
}
</script>
</body>
</html>
```

OUTPUT-



41. Create a web page to implement event handling using onclick, onmouseover and onmouseout events.

Sol

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>on click</title><SCRIPT>

    function valid(form) { var input = form.data.value;      alert("Hello " +
input + " ! Welcome...");}

</SCRIPT>

</head>
<body>
<H3> Example of onlick Event Handler </H3>
<BR><FORM><INPUT TYPE="text" NAME="data"><INPUT
TYPE="button" VALUE="Click Here" onclick="valid(this.form)"></FORM>
</body>
</html>
```

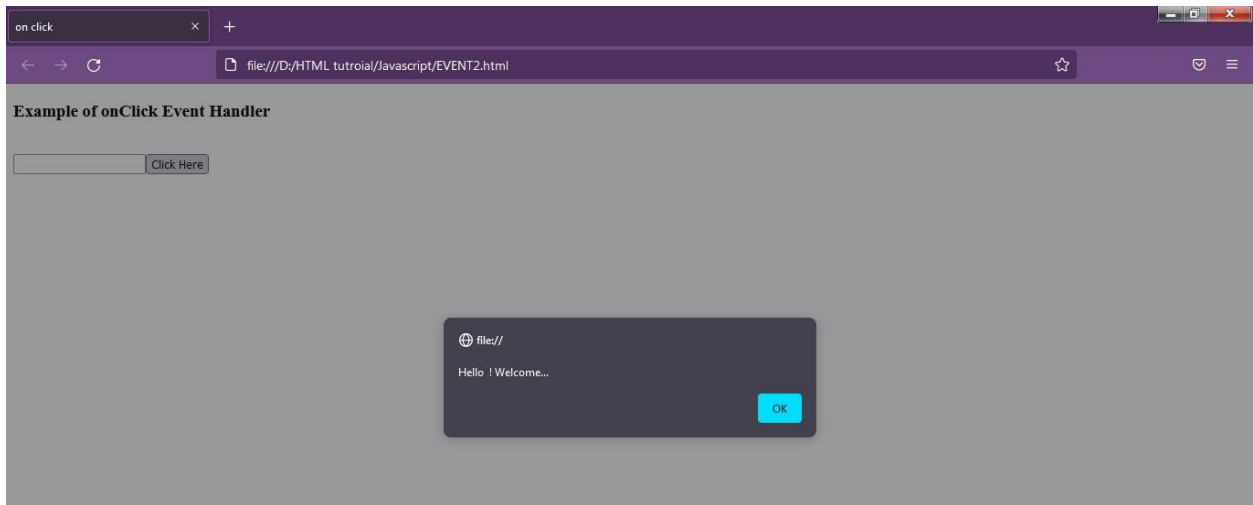
[Example:](#)

```
<html>
<body>
<imgonmouseover="bigImg(this)" onmouseout="normalImg(this)" border="0" src="img.jpg"
alt="Smiley" width="200" height="200">
<p>The function bigImg() is triggered when the user moves the mouse pointer over the
image.</p>
<p>The function normalImg() is triggered when the mouse pointer is moved out of the
image.</p>
<script> function

bigImg(x) {

x.style.height = "400px";
x.style.width = "400px";
}
function normalImg(x) {
x.style.height = "200px";
x.style.width = "200px";} </script></body></html>
```

OUTPUT-



The function bigImg() is triggered when the user moves the mouse pointer over the image.

The function normalImg() is triggered when the mouse pointer is moved out of the image.





The function `bigImg()` is triggered when the user moves the mouse pointer over the image.

The function `normalImg()` is triggered when the mouse pointer is moved out of the image.



42. Create a web page to show the usage of all the date, math and string object functions

Soln

```
<html>

<body>
<p>Math constants are E, PI, SQR2, SQR1_2, LN2, LN10, LOG2E, LOG10E</p>
<button onclick="myFunction()">Try it</button>
<div id="demo"><p>Value of <b>Math </b>Constant</b></p></div>
<script>
function myFunction() {
alert(document.getElementById("demo").innerHTML)

document.getElementById("demo").innerHTML =

Math.E + "<br>" +
Math.PI + "<br>" +
  Math.SQRT2 + "<br>" +
  Math.SQRT1_2 + "<br>" +
  Math.LN2 + "<br>" +
  Math.LN10 + "<br>" +
  Math.LOG2E + "<br>" +
  Math.LOG10E + "<br>";}
</script>
</body></html>
<head>
<title>STRING in js</title>
</head>
<body>
<h1>STRING IN JAVA SCRIPT</h1>
<script type="text/javascript">
    var str1 = new String( "This is string one" );      var

index = str1.indexOf( "string" );

document.write("indexOf found String :" + index );

document.write("<br />");      var index = str1.indexOf( "one" );

document.write("indexOf found String :" + index );
</script>
</body>
</html>
```

Output

Math constants are E, PI, SQR2, SQR1_2, LN2, LN10, LOG2E, LOG10E

Try it

```
2.718281828459045
3.141592653589793
1.4142135623730951
0.7071067811865476
0.6931471805599453
2.302585092994046
1.4426950408889634
0.4342944819032518
```

STRING IN JAVA SCRIPT

```
indexOf found String :8
indexOf found String :15
```

43. Write a program to display the bookstore details in XML with CSS and internal DTD.

Sol

XML file :

Creating Books.xml as :-

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE note SYSTEM "bookstore.dtd">
<?xml-stylesheet type="text/css" href="bookstore.css"?>
<books>
<book>
<title>Title -: Web Programming</title>
<author>Author -: Chrisbates</author>
<publisher>Publisher -: Wiley</publisher>
<edition>Edition -: 3</edition>
<price>Price -: 300</price>
</book>
<book>
<title>Title -: Internet world-wide-web</title>
<author>Author -: Ditel</author>
<publisher>Publisher -: Pearson</publisher>
<edition>Edition -: 3</edition>
<price>Price -: 400</price>
</book>
<book>
<title>Title -: Computer Networks</title>
<author>Author -: Foruouzan</author>
<publisher>Publisher -: Mc Graw Hill</publisher>
<edition>Edition -: 5</edition>
<price>Price -: 700</price>
</book>
<book>
<title>Title -: DBMS Concepts</title>
<author>Author -: Navath</author>
<publisher>Publisher -: Oxford</publisher>
<edition>Edition -: 5</edition>
<price>Price -: 600</price>
</book>
<book>
<title>Title -: Linux Programming</title>
<author>Author -: Subhitab Das</author>
<publisher>Publisher -: Oxford</publisher>
<edition>Edition -: 8</edition>
<price>Price -: 300</price>
```

```
</book>
</books>
```

2 code

```
books {
  color: white;
  background-color : gray;
  width: 100%;
}
heading {
  color: green;
  font-size : 40px;
  background-color : powderblue;
}
heading, title, author, publisher, edition, price {
  display : block;
}
title {
  font-size : 25px;
  font-weight : bold;
}
```

3code

```
<!DOCTYPE note
[
<!ELEMENT bookstore (book+)>
<!ELEMENT book (title,author,publisher,edition,price)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT author (#PCDATA)>
<!ELEMENT publisher (#PCDATA)>
<!ELEMENT edition (#PCDATA)>
<!ELEMENT price (#PCDATA)>
]>
```

OUTPUT



Title -: Web Programming

Author -: Chrisbates

Publisher -: Wiley

Edition -: 3

Price -: 300

Title -: Internet world-wide-web

Author -: Ditel

Publisher -: Pearson

Edition -: 3

Price -: 400

Title -: Computer Networks

Author -: Foruouzan

Publisher -: Mc Graw Hill

Edition -: 5

Price -: 700

Title -: DBMS Concepts

Author -: Navath

Publisher -: Oxford

Edition -: 5

Price -: 600

Title -: Linux Programming

Author -: Subhitab Das

Publisher -: Oxford

Edition -: 8

Price -: 300

44. Write a program to format the Teacher details in XML with CSS using external DTD

Sol

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE note SYSTEM "Teacher.dtd">
<?xml-stylesheet type="text/css" href="teacher.css"?>
<teachers>
<teacher>
<name>A</name>
<subject>Physics</subject>
<department>science</department>
</teacher>
<teacher>
<name>8</name>
<subject>Chemistry</subject>
<department>Science</department>
</teacher>
<teacher>
<name>C</name>
<subject>Accounts</subject>
<department> Commerce</department>
</teacher>
<teacher>
<name>D</name>
<subject>Maths</subject>
<department>Science</department>
</teacher>
</teachers>
```

2 code

```
teacher{
font-size: 25px;
color: #6699aa;
display: block;
background:#117799;
border-bottom: 4px solid #55dd88;
margin: 20px;
padding; 20px;
}
nmae{
font-size: 20px;
color: #ffddaa;
display: block;
```

```

}
subject{
font-size: 15px;
color: #ff4411;
display: block;
}
department{
margin: 20px;
padding: 20px;
}
name{
font-size: 20px;
color: #ffddaa;
display: block;
}
subject
font-size: 15px;
color: #88dd11;
display: block;
}
department[
font-size: 15px;
color: #88dd11;
display: block;
}

```

3code

```

<!DOCTYPE note
[
<!ELEMENT note (to,from,heading,body)>
<!ELEMENT to (#PCDATA)>
<!ELEMENT from (#PCDATA)>
<!ELEMENT body (#PCDATA)>
<!ELEMENT teachers (teacher)>
<!ELEMENT teacher(name,subject,department)>:
<!ELEMENT name (#PCDATA)>
<!ELEMENT subject (#PCDATA)>
<!ELEMENT department (#PCDATA)>
]>

```

OUTPUT

A

Physics

science

8

Chemistry

Science

C

Accounts

Commerce

D

Maths

Science

45.Design the registration form for a web site and when the user clicks on submit button the login form should be appeared on the screen (use external javascript file).

Sol

```
<html>
<head>
<title>Registration Form</title>
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
<script src="myscript.js"></script>
<style>
    .d1{
        margin-top: 20px
    }
</style>
</head>
<body>
<div class="container d1">
<h1>Registration Form</h1>
<form>
<div class="form-group">
<label for="exampleInputEmail1">Name</label>
<input type="text" class="form-control" placeholder="Enter name">
</div>
<div class="form-group">
<label for="exampleInputEmail1">Contact Number</label>
<input type="numbers" class="form-control" placeholder="Enter contact number">
</div>
<div class="form-group">
<label for="exampleInputEmail1">Email address</label>
<input type="email" class="form-control" placeholder="Enter email">
<small id="emailHelp" class="form-text text-muted">We'll never share your email with anyone
else.</small>
</div>
<div class="form-group">
<label for="exampleInputPassword1">Password</label>
<input type="password" class="form-control" placeholder="Password">
```



```
</div>
<div class="form-group form-check">
  <input type="checkbox" class="form-check-input">
  <label class="form-check-label" for="exampleCheck1">Remember Me</label>
</div>
<button type="submit" class="btn btn-primary" onclick="validate();">Submit</button>
</form>
</div>
</body>
</html>
```

OUTPUT

Registration Form

Name

Contact Number

Email address

We'll never share your email with anyone else.

Password

☐ Remember Me