

<!--1. Write a HTML program to implement Formatting tags .-->

```
<html>
  <head>

</head>
<body>
  <B>B.Com.(C.A.) </B> <br>
  <I>B.Com.(C.A.) </I> <br>
  <U>B.Com.(C.A.) </U> <br>
  <H1>B.Com.(C.A.) </H1>
  <H2>B.Com.(C.A.) </H2>
  <H3>B.Com.(C.A.) </H3>
  <H4>B.Com.(C.A.) </H4>
  <H5>B.Com.(C.A.) </H5>
  <H6>B.Com.(C.A.) </H6>
  <S>B.Com.(C.A.) </S> <br>
  a<sup>2</sup>+b<sup>2</sup>+2ab <br>
  x<sub>1</sub>+x<sub>2</sub>=0 <br>
  <font color=red size=5 face="Arial">IIMC</font> <br>
  <font color="RGB(100,150,200)" size=7 face="Arial Black">IIMC</font> <br>
  <font color="#15cdef" size=6 face="Times New Roman">IIMC</font> <br>
</body>
</html>
```

<!--

B=bold

I=Italic

U=Underline

H1..H6 = Header Tags, <H1> is largest and <H6> is smallest

<sup> means superscript

<sub> means subscript

 has 3 attributes: color, size & face.

color - gave the name of the color or RGB(r,g,b) or #rrggbb

Total no. of colors =16 Million colors

RGB is binary/octal numbering system and # is Hexadecimal(0-9,A-F)
RGB(255,255,255)

RGB(0,0,0) and ends with

starts with #000000 and ends with #ffffff

size ranges from 1 to 7. 1 is smallest and 7 is largest

face is font name available in MS-Word/Excel/PPT

-->

<!--2. Write a HTML program to demonstrate all Logical tags.-->

```
<html>
  <head>
</head>
  <body>
    <Strong>B.Com.(C.A.) </Strong> <br>
    <EM>B.Com.(C.A.) </EM> <br>
    <strike>B.Com.(C.A.) </strike> <br>
    <Big>B.Com.(C.A.) </Big> <br>
    <small>B.Com.(C.A.) </small> <br>
  </body>
</html>
```

<!--3. Write a HTML program to implement all Header tags.-->

```
<html>
  <head>
    <title>Header Tags</title>
  </head>
  <body>
    <H1>B.Com.(C.A.) </H1>
    <H2>B.Com.(C.A.) </H2>
    <H3>B.Com.(C.A.) </H3>
```

<H4>B.Com.(C.A.) </H4>

<H5>B.Com.(C.A.) </H5>

<H6>B.Com.(C.A.) </H6>

</body>

</html>

<!--4. Write a HTML program to illustrate Anchor tag along with all its attributes.-->

<html>

<head>

</head>

<body>

Go to college website

Go to college website in new page

</body>

</html>

<!--

a means Anchor tag

href means hyper reference

-->

<!--5. Write a HTML program to insert Image tag with all its attributes.-->

<html>

<head>

<title>Image Tag with Attributes</title>

</head>

<body>

</body>

</html>

<!--

img stands for image

src, width, height and alt - Attributes of

src is mandatory attribute.

src=source (Location of image including image name and extension)

alt = alternate text(gives tooltip about the image)

we can take support of <marquee> to scroll the images

```
<marquee behavior="slide" scrollamount="10" scrolldelay="10" align="middle" direction="right">  
  
```

```
</marquee>
```

-->

<!--6. Create a Web Page to display the text "ALL THE BEST" aligned with images.-->

```
<html>
```

```
<head>
```

```
<title>Image Tag with Attributes</title>
```

```
</head>
```

```
<body>
```

```
  
IIMC <br>
```

```
B.Com.(CA)<br>
```

```
II C<br>
```

```
</body>
```

```
</html>
```

<!--

align attribute of allows the web developer to display the Text along with image using the following alignment values:

middle, top, bottom

-->

<!--7. Write a HTML program to implement Font tags along with its attributes.-->

```
<html>
```

```
<head>
```

```
<title>Font Tag</title>
```

```
</head>
```

```
<body>
```

```
<font color="red" size=7 face="Arial"> IIMC</font>
```

```
</body>
```

```
</html>
```

```
<!--
```

```
<font> has 3 attributes
```

```
1. color
```

```
2. size
```

```
3. face
```

```
-->
```

<!-- 8. Write a HTML program to illustrate List formatting tags for the streams available in College :

a. Ordered list b. Unordered list c. Definition List. -->

```
<html>
```

```
<head>
```

```
<title>List Tags in HTML</title>
```

```
</head>
```

```
<body>
```

```
<ol type="I">
```

```
<li>Desktop</li>
```

```
<li>Laptop</li>
```

```
<li>Mobile</li>
```

```
<li>Alexa</li>
```

```
</ol>
```

```
<ul type="square">
```

```
<li>Desktop</li>
```

```
<li>Laptop</li>
```

```
<li>Mobile</li>
```

```
<li>Alexa</li>
```

```
</ul>
```

```
<dl>
```

```
<dt> Internet</dt>
```

```
<dd> Collection of Networks</dd>
```

<dt>Web</dt>

<dd> Collection of Web Pages</dd>

</dl>

</body>

</html>

<!--

 means Ordered List. type is either "1" or "a" or "i" or "I" . Default is 1. It is similar to Numbering in MS-Word.

 means Unordered List . type is either "disc" or "circle" or "square" . Default is disc. It is similar to Bullets in MS-Word.

<dl> means Definition List/Description List.

<dt> means Defintion Term

<dd> means Defintion Term-Defintion

-->

<!-- 9. create a Web Page to display ordered list, unordered list on the subjects available in Fourth semester -->

<html>

<head>

<title>List Tags in HTML</title>

</head>

<body>

<ol type="1">

English

Second Language

Leadership & Management Skills

Practice of Life and General Insurance

Income Tax

Business Statistics-II

Web Technologies

<ul type="circle">

English

Second Language

```
<li>Leadership & Management Skills</li>
<li>Practice of Life and General Insurance</li>
<li>Income Tax</li>
<li>Business Statistics-II</li>
<li>Web Technologies</li>
</ul>
</body>
</html>
<!--
```

 means Ordered List. type is either "1" or "a" or "i" or "I" . Default is 1. It is similar to Numbering in MS-Word.

 means Unordered List . type is either "disc" or "circle" or "square". Default is disc. It is similar to Bullets in MS-Word.

-->

<!-- 10. create a Table with Four rows and Four columns in HTML . -->

```
<html>
<head>
<title>Table Tag</title>
</head>
<body>
<table border=5>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
```

```

        <td>4</td>
    </tr>
    <tr>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
    </tr>
</tr>
<tr>
    <td>1</td>
    <td>2</td>
    <td>3</td>
    <td>4</td>
</tr>
</table>
</body>
</html>

```

<!--

Tr means table row

Td means table data

-->

<!-- 11. Write a HTML program to create a Time-table of your College using necessary options such as Cellpadding, Cellspacing , colspan , rowspan . -->

```

<html>
<head>
<title>Timetable</title>
</head>
<body>
<table border=5 cellpadding=5 cellspacing=5>
<tr>
<th>Day&Timing</th>

```



```
<th>9.30-10.30</th>
<th>10.30-11.30</th>
<th>11.30-12.30</th>
<th>12.30-1.00</th>
<th>1.00-1.50</th>
<th>1.50-2.40</th>
</tr>
<tr>
<th>Monday</th>
<td>WT</td>
<td>BS</td>
<td>IT</td>
<td rowspan=6>Break</td>
<td>SL</td>
<td>SEC</td>
</tr>
<tr>
<th>Tuesday</th>
<td>BS</td>
<td>English</td>
<td>IT</td>
<td>SEC</td>
<td>SL</td>
</tr>
<tr>
<th>Wednesday</th>
<td>WT</td>
<td>English</td>
<td>IT</td>
<td>BS</td>
<td>SL</td>
</tr>
```

```
<tr>
  <th>Thursday</th>
  <td>WT</td>
  <td>BS</td>
  <td>IT</td>
  <td>SL</td>
  <td>SEC</td>
</tr>
<tr>
  <th>Friday</th>
  <td>BS</td>
  <td>English</td>
  <td>IT</td>
  <td>SEC</td>
  <td>SL</td>
</tr>
<tr>
  <th>Saturday</th>
  <td>WT</td>
  <td>English</td>
  <td>IT</td>
  <td colspan=2>Business Statistics</td>
</tr>
</table>
</body>
</html>
<!--
```

cellpadding provides the space between cell border and content of the cell

cellspacing provides the space between the cells.

-->

<!--12. Write a HTML program to marquee the image and text.-->

```
<html>
```

```

<head>
<title>Marquee</title>
</head>
<body>
  <marquee>
     <br> <br>
    Web Technologies
  </marquee>
</body>
</html>
<!--

```

we can take support of <marquee> to scroll the image and text

```

<marquee behavior="slide" scrollamount="10" scrolldelay="10" align="middle" direction="right">

```

```

  

```

```

</marquee>

```

Absolute URL needs complete address of the image/document - C:\Users\Comp_24\Desktop\Desert.jpg

Relative URL needs only the image/document(filename.extension) - Desert.jpg

```

-->

```

<!--13. Create a Web Page in which the text " WEB TECHNOLOGY " should scroll in different directions for four times .-->

```

<html>
<head>
  <title>Marquee</title>
</head>
<body>
  <marquee direction=left>
    WEB TECHNOLOGY
  </marquee>
  <marquee direction=right >
    WEB TECHNOLOGY

```

```

</marquee>
<marquee direction=up>
    WEB TECHNOLOGY
</marquee>
<marquee direction=down>
    WEB TECHNOLOGY
</marquee>

</body>
</html>
<!--

```

<marquee> direction attribute has four values: left, right, up & down

-->

14. Create a table using all its attributes and sub tags to execute the following Information .

S.No	Name	Specialization
1.	Ada Lovelace	She is World's first Computer Programmer.
2.	Adam Osborne	Creator of the first commercially available Portable Computer .
3.	Abhay Bhushan	Author of the File Transfer Protocol .
4.	Alan Cooper	Father of Visual Basic .
5.	Alan Emtage	Developer of " Archie " which is considered to be the first search engine.
6.	Alan Schaaf	Founder of " Imgur " which is the world's largest image hosting site .
7.	Alexander Douglas	Created the first graphical Computer game, OXO .
8.	Andreas Bechtolsheim	Co-founder of Sun Microsystems.

```

<html>
<head>
<title>timetable</title>
</head>
<body>
<table border=5 cellpadding=20 cellspacing=5>

<tr>
<th>SNO</th>

```

<th>NAME</th>

<th>SPECIALIZATION</th>

</tr>

<tr>

<th>1</th>

<td>Ada Lovelace</td>

<td>she is world first computer progmmmer</td>

</tr>

<tr>

<th>2</th>

<td>Adam Osborne</td>

<td>creator of first commercially available portable computer</td>

</tr>

<tr>

<th>3</th>

<td>Abhay Bhushan</td>

<td>author of first file transfer protocol</td>

</tr>

<tr>

<th>4</th>

<td>Alan copper</td>

<td>father of visual basic</td>

</tr>

<tr>

<th>5</th>

<td>Alan emtage</td>

<td>Developer of "archie"</td>

</tr>

<tr>

<th>6</th>

<td>Alan schAAF</td>

```

<td>Founder of imgur</td>
</tr>
<tr>
<th>7</th>
<td>Alexander Douglas</td>
<td>created the first geographical computer game OXO</td>
</tr>
<tr>
<th>8</th>
<td>Andreas Bechtolsheim</td>
<td>co-founder of sun microsystem </td>
</tr>
</table>
</body>
</html>

```

<!--15. Create a Program on the concept of Form containing Textboxes, Radio Buttons and Checkboxes-->

```

<html>
  <head>
</head>
<body>
  <form name=f1>
    First Name: <input type="text"> <br>
    Last Name: <input type="text"> <br>
  

    Course:
    <input type="radio" name=c>B.Com.(C.A.)
    <input type="radio" name=c>B.Com.(Hons.)
    <input type="radio" name=c>B.Com.(Gen.)
    <input type="radio" name=c>B.B.A.
    <input type="radio" name=c>B.Sc.(M.S.Cs.)

```

```
<input type="radio" name=c>M.Com. <br>
```

Languages known:

```
<input type="checkbox" name=L1>English
```

```
<input type="checkbox" name=L2>Hindi
```

```
<input type="checkbox" name=L3>Telugu <br>
```

```
<input type="submit">
```

```
</form>
```

```
</body>
```

```
</html>
```

<!--16. Create a Program on Employee Information Form.-->

```
<html>
```

```
<head>
```

```
</head>
```

```
<body>
```

```
<form name=f1>
```

```
Employee No: <input type="text" name="empno" size=5 maxlength=2> <br>
```

```
Employee Name: <input type="text" name="ename" size=15 maxlength=10 value="Enter your name"> <br>
```

```
Dept.Name: <input type="text" name="dname" size=15 maxlength=10> <br>
```

```
House Address:<br>
```

```
<textarea name="add" rows=6 cols=30></textarea> <br>
```

```
DOB: <input type="datetime-local"> <br>
```

```
Gender : <input type="radio" name=g>Male
```

```
<input type="radio" name=g>Female <br>
```

```
Qualification: <select>
```

```
<option>Graduation</option>
```

```
<option>Post-Graduation</option>
```

```
<option>Doctorate</option>
```

```
</select> <br>
```

```
Computer Skills : <input type="checkbox" name=cs1>C
```

```
<input type="checkbox" name=cs2>C++
<input type="checkbox" name=cs3>SQL<br>
Company Name: <input type="text" name="cname" size=15 maxlength=10> <br>
<input type="submit"> <input type="reset">

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

<!--17. Write a Program to create Pull Down Menu on the universities available in Telangana State.-->

```
<html>
<head>
</head>
<body>List of Universities in TS<br>
<select>
<option>Osmania University, Hyd</option>
<option>Mahatma Gandhi University, Nalgonda</option>
<option>JNTU, Hyderabad</option>
<option>Telangan University, Nizamabad</option>
<option>Dr.B.R.Ambedkar University, Hyderabad</option>
<option>Kakatiya University, Warangal</option>
<option>Palamuru University, Mahabubnagar</option>
</select>
</body>
</html>
```

<!--18. Write a Program to create Pull Down Menu on various Web Designing Softwares-->

```
<html>
<head>
</head>
<body>Web Designing Softwares<br>
<select>
<option>Photoshop</option>
```



```
<option>Notepad++</option>
<option>Web Browser</option>
<option>JavaScript</option>
<option>Adobe Corel Draw</option>
<option>WordPress</option>
</select>
</body>
</html>
```

<!--19. Create a Web Page of student information form, when the information is submitted message should be displayed .-->

```
<html>
<head>
<title>student details</title>
<script language="javascript">
function send()
{
var fname=document.f1.fname.value;
var email=document.f1.email.value;
var mobile=document.f1.mobile.value;
var city=document.f1.city.value;
var course=document.f1.course.value;

document.write("<center><table border=5>");
document.write("<tr><th>Full Name:</th><td>"+fname+"</td></tr>");
document.write("<tr><th>E-mail:</th><td>"+email+"</td></tr>");
document.write("<tr><th>Mobile:</th><td>"+mobile+"</td></tr>");
document.write("<tr><th>City:</th><td>"+city+"</td></tr>");
document.write("<tr><th>Course:</th><td>"+course+"</td></tr>");
document.write("</table></center>");
}
</script>
```

```
</head>
<body bgcolor="cyan">
<font>Indian Institue of Management of Commerce[IIMC],Hyderabad</font><BR>
<br>
<form name=f1>
Full Name:<input type="text" name="fname"><br>
<br>
Email Address:<input type="text" name="email"><br>
<br>
Mobile Number:<input type="text" name="mobile"><br>
<br>
City You Live in
<select name="city">
<option>hyderabad</option>
<option>mumbai</option>
<option>delhi</option>
<option>chennai</option>
<option>jaipur</option>
</select>
<br><br>
Course Studying:
<input type="radio" name=course value="BCA">B.com(CA)
<input type="radio" name=course value="BH">B.com(hons)
<input type="radio" name=course value="BG">B.com(gen)
<input type="radio" name=course value="BSC">Bsc
<input type="radio" name=course value="BBA">BBA
<br>
<br>
<input type="submit" value="submit" onClick="send()">
</form>
</body>
```

```
</html>
```

<!--20. Write a HTML Program to create Four Vertical Frames-->

```
<html>
  <head>
    <title>Frameset Program</title>
  </head>
  <frameset cols="25%,25%,25%,25%">
    <frame src="prog20-1.html">
    <frame src="prog20-2.html">
    <frame src="prog20-3.html">
    <frame src="prog20-4.html">
  </frameset>
</html>
```

Prog20-1.html

```
<html>
<head> </head>
<body bgcolor="red">
</body>
</html>
```

Prog20-2.html

```
<html>
<head> </head>
<body bgcolor="green">
</body>
</html>
```

Prog20-3.html

```
<html>
<head> </head>
<body bgcolor="blue">
</body>
</html>
```

Prog20-4.html

```
<html>
<head> </head>
<body bgcolor="yellow">
</body>
</html>
```

<!--21. Write a HTML Program to create Four Horizontal Frames-->

```
<html>
<head>
<title>Frameset Program</title>
</head>
<frameset cols="25%,25%,25%,25%">
<frame src="prog21-1.html">
<frame src="prog21-2.html">
<frame src="prog21-3.html">
<frame src="prog21-4.html">
</frameset>
</html>
```

Prog21-1.html

```
<html>
<head> </head>
<body bgcolor="red">
</body>
</html>
```

Prog21-2.html

```
<html>
<head> </head>
<body bgcolor="green">
</body>
</html>
```

Prog21-3.html

```
<html>
<head> </head>
<body bgcolor="blue">
</body>
</html>
```

Prog21-4.html

```
<html>
<head> </head>
<body bgcolor="yellow">
</body>
</html>
```

<!--22. Write a DHTML program for Cascading Style Sheet-->

```
<html>
<head>
  <title>External StyleSheet</title>
  <link rel="stylesheet" type="text/css" href="prog24.css">
</head>
<body>
  <h1>Laptop</h1>
  <font>Desktop</font>
  <p>Mobile</p>
</body>
</html>
```

CSS file:

```
h1{
  color:red;
}
font{
  color:green;
}
p{
```

```
color:blue;
```

```
}
```

<!--23. Write a program to demonstrate inline StyleSheet-->

```
<html>
```

```
<head>
```

```
<title>Inline StyleSheet</title>
```

```
</head>
```

```
<body>
```

```
<h1 style="color:red">Laptop</h1>
```

```
<font style="color:green">Desktop</font>
```

```
<p style="color:blue">Mobile</p>
```

```
</body>
```

```
</html>
```

<!--24. Write a program to demonstrate External StyleSheet-->

```
<html>
```

```
<head>
```

```
<title>External StyleSheet</title>
```

```
<link rel="stylesheet" type="text/css" href="prog24.css">
```

```
</head>
```

```
<body>
```

```
<h1>Laptop</h1>
```

```
<font>Desktop</font>
```

```
<p>Mobile</p>
```

```
</body>
```

```
</html>
```

CSS file:

```
h1{
```

```
color:red;
```

```
}
```

```
font{
```

```
color:green;
```

```
}
```

```
p{
  color:blue;
}
```

<!--25. Write a program to demonstrate Embedded StyleSheet/Internal StyleSheet-->

```
<html>
<head>
  <title>Embedded/Internal StyleSheet</title>
  <style>
    h1{
      color:red;
    }
    font{
      color:green;
    }
    p {
      color:blue;
    }
  </style>
</head>
<body>
  <h1>Laptop</h1>
  <font>Desktop</font>
  <p>Mobile</p>
</body>
</html>
```

<!--26. Write a program to illustrate Id and Class selector using CSS.-->

```
<html>
<head>
  <title>Id and Class Selectors</title>
  <style>
    #p1{color:red;}
    #p2{color:green;}
  </style>
</head>
<body>
  <p id=p1>Laptop</p>
  <p id=p2>Desktop</p>
  <p id=p3>Mobile</p>
</body>
</html>
```

```
.design{color:blue;}

</style>
</head>
<body>
  <p id="p1">This is My Subject</p>
  <p id="p2">This is another Subject</p>

  <h1 class="design">Laptop</h1>
  <font class="design">Desktop</font>
  <p class="design">Mobile</p>
</body>
</html>
<!--
```

27. Write a DHTML program to demonstrate Filters

```
-->
```

```
<html>
  <head>
    <style>
      #blur
      {
        filter:blur(5px);
      }
      #gray
      {
        filter:grayscale(100%);
      }
      #drop
      {
        filter:drop-shadow(2px 5px red);
```



```
}  
  
#bright  
{  
  filter:brightness(100%);  
}  
  
#const  
{  
  filter:contrast(50%);  
}  
  
  #inv  
{  
  filter:invert(50);  
}  
  
  #sat  
{  
  filter:saturate(10);  
}  
  
  #hue  
{  
  filter:hue-rotate(45deg);  
}  
  
  #fv  
{  
  filter:flipV();  
}  
  
</style>  
</head>  
<body>  
  <table border=5>  
    <tr>  
      <th>Original Image</th>  
      <td></td>
```

```

<th>Shadow</th>
<td></td>
<th>Invert</th>
<td>  </td>
<th>Opacity</th>
<td>  </td>
</tr>
<tr>
<th>Blur</th>
<td> </td>
<th>Brightness</th>
<td></td>
<th>Hue-Rotate</th>
<td></td>
<th>FlipH</th>
<td>  </td>
</tr>
<tr>
<th>Gray</th>
<td>  </td>
<th>Contrast</th>
<td></td>
<th>Saturate</th>
<td></td>
<th>FlipV</th>
<td>  </td>
</tr>
</tr>
</table>
</body>
</html>

```

<!--

28. Write a DHTML program to demonstrate Transitions

-->

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

background: red;

transition: width 2s;

}

div:hover {

width: 300px;

}

</style>

</head>

<body>

<h1>The transition Property</h1>

<p>Hover over the div element below, to see the transition effect:</p>

<div></div>

<p>Note: This example does not work in Internet Explorer 9 and earlier versions.</p>

</body>

</html>

<!--29. Write a DHTML program to demonstrate changing text and
attributes using CSS-->

<html>

<head>

<title>Id and Class Selectors</title>

<script language="javascript">

```
function changetext()
{
p1.innerText="IIMC";
p1.style.color="red";
}
</script>

</head>
<body>
    <p id="p1" onMouseOver="changetext()">Osmania University</p>

</body>
</html>
```

<!--29. Write a DHTML program to demonstrate changing text and attributes using CSS-->

```
<html>
<head>
    <title>Id and Class Selectors</title>
    <script language="javascript">
        function changetext()
        {
            p1.innerText="IIMC";
            p1.style.color="red";
        }
    </script>

</head>
<body>
    <p id="p1" onMouseOver="changetext()">Osmania University</p>

</body>
</html>
```

<!-- 30. Write a javascript program to calculate Area and Circumference of a circle-->

```
<html>
  <head>
    <script language="javascript">
      function areacir()
      {
        var pi=3.14,r,area,cir;
        r=document.f1.radius.value;
        area=pi*r*r;
        cir=2*pi*r;
        document.write("<center><table border=2>");
        document.write("<tr><th>Radius</th><td>"+r+"</td></tr>");
        document.write("<tr><th>Area</th><td>"+area+"</td></tr>");
        document.write("<tr><th>Circumference</th><td>"+cir+"</td></tr>");
        document.write("</table></center>");
      }
    </script>
  </head>

  <body>
    <form name=f1>
      Radius: <input type="text" name="radius"> <br>
        <input type="button" value="Calculate" onClick="areacir()">
    </form>

  </body>
</html>
```

<!--31. Write a Java Script program to display Greatest Number among Three Numbers .-->

```
<html>
<head>
  <script>
    function grnum()
    {
      var n1,n2,n3;
      n1=document.f31.num1.value;
      n2=document.f31.num2.value;
      n3=document.f31.num3.value;
      if(n1>=n2 && n1>=n3)
        document.write("Greatest value=" + n1);
      else if (n2>=n1 && n2>=n3)
        document.write("Greatest value=" + n2);
      else
        document.write("Greatest value=" + n3);
    }
  </script>
</head>
<body>
  <form name=f31>
    Number1: <input type="text" name="num1" size=4> <br><br>
    Number2: <input type="text" name="num2" size=4> <br><br>
    Number3: <input type="text" name="num3" size=4> <br><br>
    <input type="button" value="Greatest Num" onClick="grnum()">
  </form>
</body>
</html>
```

<!--

32 . Write a Java Script program to demonstrate Arithmetic Operations using Switch case.

+ Addition

- Subtraction

* Multiplication

/ Division

% Modulo Division(Remainder)

-->

<html>

<head>

<script>

```
function ArtOp()
{
var n1,n2,res;
n1=parseInt(document.f32.n1.value);
n2=parseInt(document.f32.n2.value);
//n1=parseInt(prompt("Enter value 1"));
//n2=parseInt(prompt("Enter value 2"));
var ch;
ch=document.f32.ch.value;
//ch=window.prompt("Enter + or - or * or / or %");
switch(ch)
{
case '+': res=n1+n2;
break;
case '-': res=n1-n2;
break;
case '*': res=n1*n2;
break;
case '/': res=n1/n2;
```

```
        break;
    case '%': res=n1%n2;
        break;
    default: alert("invalid");
}
document.write("Result=" + res);
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<form name="f32">
```

```
    Number 1: <input type="text" name=n1> <br>
```

```
    Number 2: <input type="text" name=n2><br>
```

```
    Arithmetic Operation:<select name=ch>
```

```
        <option>+</option>
```

```
        <option>-</option>
```

```
        <option>*</option>
```

```
        <option>/</option>
```

```
        <option>%</option>
```

```
    </select><br><br>
```

```
    <input type="button" value="CALCULATE" onClick="ArtOp()">
```

```
</form>
```

```
</body>
```

```
</html>
```

<!--33. Write a Java Script program to print Odd numbers using while loop-->

```
<html>
```

```
<head>
```

```
<script language="javascript">
```

```
    var n=prompt("Enter a number:");
```



```

document.write("Odd numbers upto " + n + "<br>")

var i=1;

while(i<=n)

{

document.write(i+"<br>");

    i=i+2;

}

</script>

</head>

<body>

</body>

</html>

```

<!--34. Write a Java Script program to demonstrate multiplication table.-->

```

<html>

<head>

<script>

function mult()

{

var n;

n=document.f34.num.value;

document.write("<center><table border=5>");

for(var i=1;i<=10;i++)

{

//document.write(n+"*"+i+"="+n*i+"<br>");

document.write("<tr><td>"+n+"*"+i+"="+n*i+"</td></tr>");

}

}

document.write("</table></center>");

</script>

</head>

<body>

```

```
<form name=f34>
    Number: <input type="text" name="num" size=4> <br><br>
    <input type="button" value="Mult Table" onClick="mult()">
</form>
</body>
</html>
```

```
<!--
```

35. Write a Java Script program using any five events .

```
-->
```

```
<html>
<head>
<script>
    function omd()
    {
        alert("Executed the event-onMouseDown");
    }

    function omm()
    {
        alert("Executed the event-onMouseMove");
    }

    function omo()
    {
        alert("Executed the event-onMouseOut");
    }

    function omv()
    {
        alert("Executed the event-onMouseOver");
    }

    function omu()
```

```
{  
  alert("Executed the event-onMouseUp");  
}
```

```
function oc()
```

```
{  
  alert("Executed the event-onClick");  
}
```

```
function odc()
```

```
{  
  alert("Executed the event-onDbClick");  
}
```

```
function okd()
```

```
{  
  alert("Executed the event-onKeyDown");  
}
```

```
function okp()
```

```
{  
  alert("Executed the event-onKeyPress");  
}
```

```
function oku()
```

```
{  
  alert("Executed the event-onKeyUp");  
}
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<input type="button" value="MouseDown" onMouseDown="omd()"><br><br>
```

```
<input type="button" value="MouseMove" onMouseMove="omm()"> <br><br>
```

```
<input type="button" value="MouseOut" onMouseOut="omo()"> <br><br>
```

```
<br><br>
```

```
 <br><br>
```

```
<a href="#" onMouseUp="omu()">MouseUp</a> <br><br>
<input type="Checkbox" onClick="oc()"><br><br>
<input type="Radio" onDbClick="odc()"><br><br>
<input type="button" value="KeyDown" onKeyDown="okd()"><br><br>
<a href="#" onKeyPress="okp()">KeyPress</a> <br><br>
<a href="#" onKeyUp="oku()">KeyUp</a> <br><br>
</body>
</html>
```

<!--36. Write a Java Script program to print N-natural numbers using For loop.-->

```
<html>
<head>
<script language="javascript">
    var n=prompt("Enter a number:");
    document.write("Natural numbers upto " + n + "<br>")
    for(var i=1;i<=n;i++)
    document.write(i+"<br>");
</script>
</head>
<body>
</body>
</html>
```

<!--37. Write a Java Script program to print Factorial of a given number.-->

```
<html>
<head>
<script language="javascript">
    var n=prompt("Enter a number");
    var f=1;
    for(var i=n;i>=1;i--)
```

```
{
f=f*i;
}
document.write("Fact=" + f);
</script>
</head>
<body>
</body>
</html>
```

<!--38. Write a Java Script program to demonstrate Arrays-->

```
<html>
<head>
<script language="javascript">
var a=new Array();
var n=prompt("Enter the size of Array");
for(var i=0;i<n;i++)
a[i]=parseInt(prompt("Enter the value"));
document.write("The elements of Array:");
for(var i=0;i<n;i++)
document.write("<br>" + a[i]);

var sum=0;
for(var i=0;i<n;i++)
sum=sum+a[i];
document.write("<br>Sum of elements in Array:" + sum);

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

<!--

39. Write a Java Script program to demonstrate String manipulating functions.

-->

<html>

<head>

<script>

```
var s="Web Technologies";
```

```
document.write("Given String="+ s);
```

```
document.write("<br>String length=" + s.length + "<br>");
```

```
for(var i=0;i<s.length;i++)
```

```
document.write(s.charAt(i));
```

```
document.write("<br>String in small letters=" + s.toLowerCase());
```

```
document.write("<br>String in capital letters=" + s.toUpperCase());
```

```
var s1="web ";
```

```
var s2="Technologies";
```

```
document.write("<br>Merged String is: "+ s1+s2);
```

```
document.write("<br>Index of "+ s.indexOf("W"));
```

```
document.write("<br>Splitted string: "+ s.split(" "));
```

```
document.write("<br> Substring:"+ s.substring(0,3)); // it prints Web
```

```
</script>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

<!--40 . Write a Java Script program to demonstrate Math objects-->

```
<html>
  <head>
    <script>
      document.write("Absolute value="+Math.abs(-3456));
      //document.write("<br>" + Math.sin(90*Math.PI/180));
      //document.write("<br>" + Math.sin(45*Math.PI/180));
      document.write("<br>Next Integer="+Math.ceil(9.4));
      document.write("<br>Previous Integer="+Math.floor(9.4));
      document.write("<br>Rounded value="+Math.round(9.6));
      document.write("<br>Truncated value="+Math.trunc(9.9));
      document.write("<br>Power value="+Math.pow(5,3));
      document.write("<br>Square Root value="+Math.sqrt(4));
      document.write("<br>Minimum="+Math.min(20,45,34,67,12,9));
      document.write("<br>Maximum="+Math.max(20,45,34,67,12,9));
      document.write("<br>Log="+Math.log(1));

    </script>
  </head>
  <body>

    </body>

</html>
```

<!--

Math is an object. It has various functions/methods.

some of them are abs(),min(),max(),ceil(),floor(),round()..

Math.abs()-Returns an absolute(positive) value of a num.

|10|=10

|-10|=10

Math.acos()- Returns the arc-cosine value(in radians) of a number.

Math.PI

-->