

## WEB PRACTICAL PROGRAMS

1 Write a HTML program to implement Formatting tags .

```
<html>
<head>
<title>Formatting Tags Example</title>
</head>
<body>
<h1>HTML Formatting Tags</h1>
<p><strong>This text is bold </strong></p>
<p><em>This text is italic </em></p>
<p>This text is <b>bold</b> </p>
<p>This text is <i>italic</i></p>
<p><mark>This text is highlighted</mark></p>
<p><del>This text is deleted</del></p>
<p><ins>This text is inserted </ins></p>
<p><sub>This text is subscript</sub></p>
x<sup>2</sup><br>
h<sub>2</sub>o<br>
<p>This is a <u>underlined</u> </p>
<p><small>This text is small</small></p>
<p><strong><em>This text is both bold and italic</em></strong></p>
<pre>
HAVE
A
NICE
DAY
```

```
</pre>
<font color="red" size=9 face="Arial">hello</font>
</body>
</html>
```

## 2. Write a HTML program to demonstrate all Logical tags

```
<html>
<head>
<title>Using Logical tags</title>
</head>
<body>
<em>This is emphasized text</em><br>
<cite>This is cited text</cite><br>
<code>y=m*x+b</code><br>
<strong>This is strong text</strong><br>
<del>This is deleted text</del><br>
<dfn>definition</dfn><br>
<ins>inserted</ins>text
</body>
</html>
```

## 3 Write a HTML program to implement all Header tags.

```
<html>
<head>
<title>heading tags</title></head>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
```

```
<h5>This is heading 5</h5>
```

```
<h6>This is heading 6</h6>
```

```
</body>
```

```
</html>
```

4 Write a HTML program to illustrate Anchor tag along with all its attributes.

```
<html>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```

5 Write a HTML program to insert Image tag with all its attributes.

```
<html>
```

```
<head>
```

```
<title>Image Tag</title>
```

```
</head>
```

```
<body>
```

```

```

```
</body>
```

```
</html>
```

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

```
<html>
```

```
<head>
```

```
<title>All the Best</title>
```

```
</head>
```

```
<body>
```

```

```

```
<p align="justify">
```

```
<h1>"ALL<u>THE BEST"</u></h1></p>
```

```
</body>
```

```
</html>
```

7 Write a HTML program to implement Font tags along with its attributes.

```
<html>
```

```
<head>
```

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

```
</head>
```

```
<body>
```

```
<font size=8 color="blue" face="Arial">siva sivani degree college</font>
```

```
</body>
```

```
</html>
```

8. Write a HTML program to illustrate List formatting tags for the streams available in College : a. Ordered list b. Unordered list c. Menu List. d. Definition List .

```
<html>
```

```
<head>
```

```
<title>list</title></head>
```

```
<body>
```

```
<h2>College Course List Using Unordered List</h2>
```

```
<ul>
```

```
<li>BCom(Computer Applications)</li>
```

```
<li>BCA</li>
```

```
<li>BBA</li>
```

```
</ul>
```

```
<h2>College Course List Using ordered List</h2>
```

```
<ol>
```

```
<li>BCom(Computer Applications)</li>
```

```
<li>BCA</li>
```

```
<li>BBA</li>
```

```
</ol>
```

```
<h2>A Description List</h2>
```

```
<dl>
<dt>BCom</dt>
<dd> Bachelor of Commerce</dd>
<dt>BCA</dt>
<dd> Bachelor of Computer Applications</dd>
<dt>BBA</dt>
<dd>Bachelor of Business Administration</dd>
</dl>
</body>
</html>
```

9. create a Web Page to display ordered list, unordered list on the subjects available in Fifth semester .

```
<html>
<head>
<title>Semester Subjects</title>
</head>
<body>
<h2>List of Subjects in 5th semester </h2>
<h3>Ordered List</h3>
<ol>
<li>Sanskrit</li>
<li>English</li>
<li>Web Technology</li>
<li>Income Tax</li>
<li>Business Statistics-2</li>
</ol>
<h3>List of Subjects in 5 thSemester </h3>
<h3>Unordered List</h3>
<ul type="square">
<li>Sanskrit</li>
```

```
<li>English</li>
<li>Web Technology</li>
<li>Income Tax</li>
<li>Business Statistics-2</li>
</ul>
</body>
</html>
```

10. create a Table with Four rows and Four columns in HTML .

```
<html>
<head>
<title>4x4 Table</title>
</head>
<body>
<table border="3">
<tr>
<th>EMPID</th>
<th>EMPNAME</th>
<th>DEPARTMENT</th>
<th>SALARY</th>
</tr>
<tr>
<td>1</td>
<td>AMIT</td>
<td>MANAGER</td>
<td>40000</td>
</tr>
<tr>
<td> 2</td>
```



<th>5<sup>th</sup>&nbsp;hour</th>

<th>6<sup>th</sup>&nbsp;hour</th>

</tr>

<tr>

<th>MONDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Leadership</td>

<td>Income Tax</td>

<td>Business Statistics</td>

<td>Web Technology</td>

</tr>

<!-- 3rd row of the time table -->

<tr>

<th>TUESDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Leadership</td>

<td>Income Tax</td>

<td>Business Statistics</td>

<td>Web Technology</td>

</tr>

<tr>

<th>WEDNESDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Leadership</td>

<td>Income Tax</td>



<td>Business Statistics</td>

<td>Web Technology</td>

</tr>

<!-- 5th row of the time table -->

<tr>

<th>THURSDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Insurance</td>

<td>Income Tax</td>

<td>Business Statistics</td>

<td>Web Technology</td>

</tr>

<tr>

<th>FRIDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Insurance</td>

<td>Income Tax</td>

<td>Business Statistics</td>

<td>Web Technology</td>

</tr>

<tr>

<th>SATURDAY</th>

<td>English</td>

<td>Second Language</td>

<td>Insurance</td>

<td>Income Tax</td>

```
<td>Business Statistics</td>
```

```
<td>Web Technology</td>
```

```
</tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

12. Write a HTML program to marquee the image and text

```
<html>
```

```
<head>
```

```
<title>Marquee</title>
```

```
</head>
```

```
<body>
```

```
<marquee direction="right" bgcolor="red" scrollamount="10" behavior="scroll"
scrolldelay="10" vspace="20" hspace="20" loop="4">
```

```

```

```
</marquee>
```

```
<marquee direction="up" bgcolor="green" scrollamount="10" behavior="scroll"
scrolldelay="10" vspace="20" hspace="20" loop="4">
```

```
Hello world
```

```
</marquee>
```

```
</body>
```

```
</html>
```

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

```
<html >
```

```
<head>
```

```
<title>Scrolling Web Technology</title>
```

```
</head>
```

```
<body>
```

```

<h1>Using Marquee Tag:</h1>

<marquee behavior="scroll" direction="left" scrollamount="10">
<b><u>WEB TECHNOLOGY</u></b>
</marquee>

<marquee behavior="scroll" direction="right" scrollamount="10"><u><b>
"WEB TECHNOLOGY"</u></b>
</marquee>

<marquee behavior="scroll" direction="up" scrollamount="10" height="100">
<b><u>"WEB TECHNOLOGY"</u></b>
</marquee>

<marquee behavior="scroll" direction="down" scrollamount="10" height="100">
<b><u>"WEB TECHNOLOGY"</u></b>
</marquee>
</body>
</html>

```

14

```

<html>

<head>

<title>Information Table</title>

</head>

<body>

<table border=3>

<thead>

<tr>

<th>S.No</th>

<th>Name</th>

<th>Specialization</th>

</tr>

```

```
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ada Lovelace</td>
<td>She is the World's first Computer Programmer.</td>
</tr>
<tr>
<td>2</td>
<td>Adam Osborne</td>
<td>Creator of the first commercially available Portable Computer.</td>
</tr>
<tr>
<td>3</td>
<td>Abhay Bhushan</td>
<td>Author of the File Transfer Protocol.</td>
</tr>
<tr>
<td>4</td>
<td>Alan Cooper</td>
<td>Father of Visual Basic.</td>
</tr>
<tr>
<td>5</td>
<td>Alan Emtage</td>
<td>Developer of "Archie," which is considered to be the first search engine.</td>
</tr>
<tr>
```

```

<td>6</td>

<td>Alan Schaaf</td>

<td>Founder of "Imgur," which is the world's largest image hosting site.</td>

</tr>

<tr>

<td>7</td>

<td>Alexander Douglas</td>

<td>Created the first graphical Computer game, OXO.</td>

</tr>

<tr>

<td>8</td>

<td>Andreas Bechtolsheim</td>

<td>Co-founder of Sun Microsystems.</td>

</tr>

</tbody>

</table>

</body>

</html>

```

#### 15. Create a Program on the concept of Form containing Textboxes, Radio Buttons and Check boxes

```

<html>

<head>

<title>Examination Form</title>

</head>

<body>

<h2>Examination Form</h2>

<form>

Name: <input type="text" name="name"><br><br>

Password: <input type="text" name="Password"><br><br>

```

Gender:

☐ Male

☐ Female<br><br>

Subjects:

☐ Math

☐ Science<br><br>

Exam Date: <br><br>

</form>

</body>

</html>

#### 16. Create a Program on Employee Information Form.

<html>

<body>

<h2>Employee Application Form</h2>

<form action="">

Employee name: <br><br>

E-mail:

<br><br>

Gender:

☒ Male

☐ Female<br><br>

Applying for:

☐ S/W Developer

☐ Analyst

<br><br>

Preferred Location:

```
<select>
<option>Hyderabad</option>
<option>Delhi</option><option>Bengluru</option></select><br>
<br>
<input type="submit">
</form>
</body>
</html>
```

17. Write a program to create Pull down menu on the universities available in Telangana State.

```
<html>
<body>
<h1>Universities in Telengana</h1><br>
<select>
<option value="v1">Osmania University</option>
<option value="v2">JNTU</option>
<option value="v3">HCU</option>
<option value="v4">Telangana University</option>
<option value="v5">PottiSreeramulutelugu University</option>
<option value="v6">Nizam Institute of Medical Science</option>
<option value="v7">Kakatiya University</option>
<option value="v8">Satavahana University</option>
</select>
</body>
</html>
```

18. Write a program to create Pull down menu on various Web Designing Softwares

```
<html>
<body>
<h1>List of Web Designing Softwares</h1><br>
```

```
<select>
<option value="v1">Google Web Designer</option>
<option value="v2">Sketch</option>
<option value="v3">Macaw</option>
<option value="v4">Figma</option>
<option value="v5">Photoshop</option>
<option value="v6">Pixlr</option>
<option value="v7">Hologram</option>
<option value="v8">Canva</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 Registration Form</TITLE>
</HEAD>
<BODY>
<H1>Student Registration Form</H1>
<FORM onsubmit ="alert('All the details of this form are submitted')">
<B>Application Form</B>
<P>Fill the form and click the SUBMIT button</P>
<BR><BR>
<B>Name:</B><INPUT type="text" name="fname" value="">
<BR><BR>
<B>Roll Number:</B><INPUT type="text" id="fnumber" value="">
<BR><BR>
<B>DOB:</B><INPUT type="text" id="fnumber" value="">
```



```

<BR><BR>
<B>Course:</B><select name="course">
<option value="BCOM">BCOM</option>
<option value="BSC">BSC</option>
<option value="BBA">BBA</option></select><br><BR>
<B>Address:</B><INPUt type="text" name="faddress" value="">
<BR><BR>
<B>Email id:</B><INPUT type="text" name="femail" value="">
<BR><BR>
<INPUt type="submit" value="SUBMIT">
</FORM>
</BODY>
</HTML>

```

## 20. Write a HTML program to create Four Vertical Frames .

```

<html>
<head>
<title>vertical frames</title>
</head>
<frameset cols="25%,25%,25%,25%">
<frame src="Web-Prog-01.html">
<frame src="Web-Prog-02.html">
<frame src="Web-Prog-03.html">
<frame src="Web-Prog-04.html">
</frameset>
</html>

```

## 21 Write a HTML program to create Four Horizontal Frames

```

<html>
<head>

```

```
<title>horizontal frames</title>
</head>
<frameset rows="25%,25%,25%,25%">
<frame src="Web-Prog-01.html">
<frame src="Web-Prog-02.html">
<frame src="Web-Prog-03.html">
<frame src="Web-Prog-04.html">
</frameset>
</html>
```

## 22. Write a DHTML program for Cascading style Sheets.

```
<html>
<head>
<title>cascading style sheets</title>
<style>
body
{
background-color:pink;
}
h1
{
color: purple;
margin-left: 40px;
}
</style>
</head>
<body>
<h1>This is a heading</h1>
<p>This is a paragraph.</p>
```

```
</body>
```

```
</html>
```

23. Write a DHTML program to demonstrate Inline Style Sheets.

```
<html>
```

```
<head>
```

```
<title>Inline Stylesheets</title>
```

```
</head>
```

```
<body>
```

```
<p style="color:red;">Text in Red</p>
```

```
<h2>Title Heading</h2>
```

```
<b style="color:blue;">Text in Blue</b>
```

```
<p style="color:green;font-size:40px;">Welcome!</p>
```

```
</body>
```

```
</html>
```

24. Write a DHTML program to demonstrate External Style Sheets.

style.css

```
h1
```

```
{
```

```
color: red;
```

```
border: thin groove;
```

```
font size:20px
```

```
}
```

Web-Prog-24.html

```
<html>
```

```
<head>
```

```
<title>Simple Stylesheet</title>
```

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

```
<body>
```

```

<h1>Simple Stylesheet</h1>
<p>The first paragraph is left unaltered.</p>
<p style="margin-left: 10%; border: ridge; background: #ffffcc">
But this paragraph undergoes some fairly radical alterations
</p>
<p>And we finish with an unaltered paragraph.</p>
</body>
</html>

```

25. Write a DHTML program to demonstrate Embedded Style Sheets.

```

<html>
<head>
<title>Embedded Style Sheet</title>
<style type="text/css">
p {
color: red;
font-size: 26px;
font-family: Impact;
}
</style>
</head>
<body>
<h1>This is a heading tag</h1>
<p>This is a paragraph tag</p>
</body>
</html>

```

26 Write a DHTML program to illustrate Id and Class Selectors using CSS

```

<html>
<head>

```

```
<title> Classes</title>

<style>

.cls
{
color:green;
background-color:yellow;
font-family: Impact;
}
#p1
{
color:red;
}
</style>
</head>

<body>

<h1 class="cls">A Simple Heading</h1>

<p id="p1">Applying the style fred to a paragraph of text</p>

</body>
</html>
```

27. Write a DHTML program to demonstrate Filters .

```
<html>
<head>
<style>
.blur
{
filter: blur(4px);
20
}
```

.brightness

```
{  
filter: brightness(0.30);  
}
```

.contrast

```
{  
filter: contrast(180%);  
}
```

.grayscale

```
{  
filter: grayscale(100%);  
}
```

.huerotate

```
{  
filter: hue-rotate(180deg);  
}
```

.invert

```
{  
filter: invert(100%);  
}
```

.opacity

```
{  
filter: opacity(50%);  
}
```

.saturate

```
{  
filter: saturate(7);  
}
```

```

.sepia
{
filter: sepia(100%);
}

.shadow
{
filter: drop-shadow(8px 8px 10px green);
}

</style>

</head>

<body>

<h1>The filter Property</h1>













<p><strong>Note:</strong> The filter property is not supported in Internet Explorer, Edge
12, or Safari 5.1 and earlier.</p>

</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><b>Note:</b> 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>
<style>

```



```
h1
{
text-decoration: overline;
}
h2
{
text-decoration: line-through;
}
h3
{
text-decoration: underline;
}
</style>
</head>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
</body>
</html>
```

30. Write a Java Script program to calculate Area and circumference of a Circle .

```
<html>
<head>
<title>Area and Perimeter of a Circle</title>
</head>
<body>
<script>
var r=Number(prompt("Enter radius:"));
```

```

var area,perimeter;

var pi=3.14;

area=pi*r*r;

perimeter=2*pi*r;

document.write("Radius of Circle = "+r);

document.write("<br>Area of Circle = "+area);

document.write("<br>Perimeter of Circle = "+perimeter);

</script>

</body>

</html>

```

### 31. Write a Java Script program to display Greatest Number among Three Numbers

```

<html>

<head>

<title> greatest</title> </head>

<body>

<script>

var a=parseInt(prompt("enter a value "));

var b=parseInt(prompt("enter b value "));

var c=parseInt(prompt("enter c value "));

document.write("a=" + a + "<br>");

document.write("b=" + b + "<br>");

document.write("c=" + c + "<br>");

if(a>b&& a>c)

{

document.write("a is greatest");

}

else if(b>a&& b>c)

{

```

```
document.write("b is greatest");
}
else
{
document.write("c is greatest");
}
</script>
</body>
</html>
```

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

```
<html>
<head>
<title>arithmetic operations</title>
</head>
<body>
<script type="text/javascript">
var a = Number(prompt("Enter a value:"));
var b = Number(prompt("Enter b value:"));
var operation = prompt("Enter the operation (+, -, *, /, %):");
var result;
switch(operation) {
case "+":
result = a + b;
break;
case "-":
result = a - b;
break;
case "*":
```

```
result = a * b;

break;

case "/":

result = a / b;

break;

case "%":

result = a % b;

break;

default:

result = "Error: invalid operator";

break;

}

document.write("Result: " + result);

</script>

</body>

</html>
```

33. Write a Java Script program to print Odd numbers using while loop.

```
<html>

<head>

<title> odd number</title>

</head>

<body>

<script type = "text/javascript">

var a=1;

while (a<=100){

document.write (" "+a);

a+=2;

}
```

```
</script>
```

```
</body>
```

```
</html>
```

34. Write a Java Script program to demonstrate multiplication table

```
<html>
```

```
<head> <title> multiplication table </title>
```

```
</head>
```

```
<body>
```

```
<script type = "text/javascript">
```

```
var i;
```

```
var a=Number(prompt(" enter a value"));
```

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

```
{
```

```
document.write(a + " * " + i + " = " + (a * i) + "<br>");
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

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

onclick event

```
<html>
```

```
<head>
```

```
<title> Javascript Events</title>
```

```
</head>
```

```
<body>
```

```
<h3> Click the button to display message </h3>
```

```
<script >
```

```
function display()
```

```
{
alert("Onclick Event");
}
</script>
<form>
<input type="submit" onclick="display()" value="Click Here">
</form>
</body>
</html>
```

### onkeyup event

```
<!DOCTYPE html>
<html>
<head>
<title>onkeyup event</title>
</head>
<body>
<script>
function display()
{
alert("event activated when the user releases a key.");
}
</script>
<form>
Enter the text:
<input type="text" onkeyup= "display()">
</form>
</body>
</html>
```

## onload event

```
<!DOCTYPE html>

<html>

<head>

<title> HTML onload event</title>

<script>

function display()

{

alert(" Onload event")

}

</script>

</head>

<body onload="display()">

<h2> Page Loaded successfully </h2>

</body>

</html>
```

## onmouseup and onmousedown event

```
<!DOCTYPE html>

<html>

<head>

<title> onmousedown and up attribute</title>

</head>

<body>

<p onmousedown="mouseDown(this)" onmouseup="mouseUp(this)">

Click Here to check onmousedown Event.<br>

<script>

function mouseDown(obj)

{
```

```
obj.style.color = "red";  
}  
function mouseUp(obj)  
{  
obj.style.color = "blue";  
}  
</script>  
</body>  
</html>
```

### onresize event

```
<!DOCTYPE html>  
<html>  
<head>  
<title> onresize event</title>  
<script>  
function display()  
{  
alert ("You have changed the size of the window!");  
}  
</script>  
</head>  
<body onresize="display()">  
<p>Try to resize the browser window</p>  
</body>  
</html>
```

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

```
<html>  
<head> <title> natural numbers </title> </head>
```



```
<body>

<script type = "text/javascript">

var i=0;

var a =prompt("enter a number")

for (i=0;i<=a;i++)

{

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

}

</script>

</body>

</html>
```

37. Write a Java Script program to print Factorial of a given number .

```
<html>

<head>

<title>Factorial</title>

</head>

<body>

<script type="text/javascript">

var n = prompt("Enter the number to get factorial of: ");

var result = n;

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

{

result = i * result;

}

document.write("<h1>Factorial of "+n+" is "+result +"</h1>");

</script>

</body>

</html>
```

### 38 Write a Java Script program to demonstrate Arrays

```
<HTML>
<HEAD>
<TITLE>Array Functions</TITLE>
</HEAD>
<BODY>
<SCRIPT type="text/javascript">
myarray1=new Array("Sunday", "Monday", "Tuesday","Wednesday","Thursday");
myarray2=new Array(1,2,3,4,5);
document.write("Array 1 : "+myarray1+"<BR/>")
document.write("Array 2 : "+myarray2+"<BR/>")
document.write("Concatenated two arrays : "+myarray1.concat(myarray2+"<BR/>"))
document.write("Joined two arrays : "+myarray1.join(myarray2)+"<BR/>")
document.write("Array 1 pop out : "+myarray1.pop()+"<BR/>")
document.write("Reversed array 1: "+myarray1.reverse()+"<BR/>")
document.write("Shifted array 1 : "+myarray1.shift()+"<BR/>")
document.write("Sorted array 1 : "+myarray1.sort()+"<BR/>")
document.write("Array 2 in string format "+myarray2.toString()+"<BR/>")
</SCRIPT>
</BODY>
</HTML>
```

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

```
<HTML>
<HEAD>
<TITLE>Different String Functions</TITLE>
</HEAD>
<BODY>
<SCRIPT type="text/javascript">
```

```
var mystring="Twinkle Twinkle Little Star";
document.write("String: "+mystring+"<BR/>");
document.write("Length: "+mystring.length+"<BR/>");
document.write("Bold text: "+mystring.bold()+"<BR/>");
document.write("Uppercase text: "+mystring.toUpperCase()+"<BR/>");
document.write("Big text: "+mystring.big()+"<BR/>");
document.write("Lowercase text: "+mystring.toLowerCase()+"<BR/>");
document.write("Strike text: "+mystring.strike()+"<BR/>");
document.write("Small text: "+mystring.small()+"<BR/>");
document.write("Substring after 8 characters: "+mystring.substring(8) + "<BR/>");
document.write("Splitted text: "+mystring.split('Twinkle') + "<BR/>");
document.write("Index of text: "+mystring.indexOf('Twinkle') + "<BR/>");
document.write("Character at 8th position: "+mystring.charAt(8) + "<BR/>");
document.write("Blinking text: "+mystring.blink() + "<BR/>");
</SCRIPT>
</BODY>
</HTML>
```

#### 40 . Write a Java Script program to demonstrate Math objects

```
<html>
<head>
<title>MATH OBJECTS</title>
</head>
<body>
<script>
document.write("Round:" +Math.round(4.7)+ "<br>");
document.write("Power:" +Math.pow(4,2)+ "<br>");
document.write("Sqrt:" +Math.sqrt(64)+ "<br>");
document.write("Ceil:" +Math.ceil(4.4)+ "<br>");
```

```
document.write("Floor:" +Math.floor(4.7)+ "<br>");
document.write("Absolute:" +Math.abs(-4.7)+ "<br>");
document.write("Random:" +Math.random()+ "<br>");
document.write("Min:" +Math.min(4,7,5,3,2)+ "<br>");
document.write("Max:" +Math.max(4,7,5,3,2)+ "<br>");
</script>
</body>
</html>
```

41. Create a Web page with an image, when the mouse is doubled clicked new image should replace the existing.

```
<html>
<head>
<title>Double Click to Change Image</title>
</head>
<body>
<h1>Double click on the image to change it</h1>

<script>
function changeImage() {
const image = document.getElementById("image");
const currentSrc = image.src;
if (currentSrc.includes("download.webp")) {
image.src = "z900.jpg";
} else {
image.src = "C:/Users/LAB2_SYS/Pictures/download.webp";
}
}
document.getElementById("image").addEventListener("dblclick", changeImage);
</script>
```

```
</body>
```

```
</html>
```

42. Create a Web page and apply mouse effects to change text color, size, family etc on the text

```
<html>
```

```
<head>
```

```
<title>Change Text Properties</title>
```

```
</head>
```

```
<body>
```

```
<p id="new">This is a paragraph</p>
```

```
<button type="button" onclick="fontcolor()">Change Font Color</button>
```

```
<button type="button" onclick="fontfamily()">Change Font Family</button>
```

```
<button type="button" onclick="fontsize()">Change Font Size</button>
```

```
<script type="text/javascript">
```

```
// Function to change font color
```

```
function fontcolor() {
```

```
var x = document.getElementById("new");
```

```
x.style.color = "blue";
```

```
}
```

```
// Function to change font family
```

```
function fontfamily() {
```

```
var x = document.getElementById("new");
```

```
x.style.fontFamily = "Arial, sans-serif"; // You can change to any font
```

```
}
```

```
// Function to change font size
```

```
function fontsize() {
```

```
var x = document.getElementById("new");
```

```
x.style.fontSize = "30px"; // Change the font size to 30px
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

43. Create a Web page which displays a line of text, when you click on the text a new line of text should overwrite the existing text.

```
<html>
```

```
<head>
```

```
<title>reset</title>
```

```
</head>
```

```
<body>
```

```
<p id="new">This is a paragraph</p>
```

```
<button type="button" onclick="changetext()">Change text</button>
```

```
<script type="text/javascript">
```

```
function changetext()
```

```
{
```

```
document.getElementById("new").innerHTML="the original message is changed.";
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

44. Create a program on the event onkeypress.

```
<html>
```

```
<head>
```

```
<title>key events</title>
```

```
<script type="text/javascript">
```

```
function keyDown()
```

```
{
```

```
alert("key pressed");
```

```
}
```

```

function keyUp()
{
    alert("key released");
}

function keyPress()
{
    alert("key pressed and released");
}

</script>

</head>

<body>

on key Down:<input type="text" onKeyDown="keyDown()"><br>
on key Up:<input type="text" onKeyUp="keyUp()"><br>
on key Press:<input type="text" onKeyPress="keyPress()"><br>

</body>

</html>

```

#### 45. Create a program on the event onreset

```

<html>

<head>

<title>Dom</title>

<script type="text/javascript">

function funreset()
{
    alert("Defaults have been restored");
}

function funselect()
{
    alert("select and copy not allowed");
}

```

```

}
</script>
</head>
<body>
<form name="form1" onReset="funreset()">
country:<input      type="text"      name="name"      value="india"      size="10"
onSelect="funselect()"><br><br>
<input type="reset" value="clear form" name="reset1"><br>
</form>
</body>
</html>

```

46 . Create a XML document for employee database with 10 records and 5 columns in each record.

```

<?xml version="1.0" encoding="UTF-8"?>
<EmployeeDatabase>
<Employee>
<ID>1</ID>
<Name>John Doe</Name>
<Position>Software Engineer</Position>
<Department>IT</Department>
<Salary>75000</Salary>
</Employee>
<Employee>
<ID>2</ID>
<Name>Jane Smith</Name>
<Position>Marketing Manager</Position>
<Department>Marketing</Department>
<Salary>65000</Salary>
</Employee>
<Employee>

```



<ID>3</ID>  
<Name>Michael Johnson</Name>  
<Position>HR Specialist</Position>  
<Department>Human Resources</Department>  
<Salary>55000</Salary>  
</Employee>  
<Employee>

<ID>4</ID>  
<Name>Emily Davis</Name>  
<Position>Graphic Designer</Position>  
<Department>Design</Department>  
<Salary>60000</Salary>  
</Employee>  
<Employee>

<ID>5</ID>  
<Name>Chris Brown</Name>  
<Position>Product Manager</Position>  
<Department>Product</Department>  
<Salary>80000</Salary>  
</Employee>  
<Employee>

<ID>6</ID>  
<Name>Amy Wilson</Name>  
<Position>Sales Representative</Position>  
<Department>Sales</Department>  
<Salary>55000</Salary>  
</Employee>  
<Employee>

```
<ID>7</ID>
<Name>David Lee</Name>
<Position>Systems Analyst</Position>
<Department>IT</Department>
<Salary>70000</Salary>
</Employee>
<Employee>
<ID>8</ID>
<Name>Linda White</Name>
<Position>Operations Manager</Position>
<Department>Operations</Department>
<Salary>75000</Salary>
</Employee>
<Employee>
<ID>9</ID>
<Name>James Taylor</Name>
<Position>Accountant</Position>
<Department>Finance</Department>
<Salary>60000</Salary>
</Employee>
<Employee>
<ID>10</ID>
<Name>Mary Harris</Name>
<Position>Customer Support</Position>
<Department>Support</Department>
<Salary>45000</Salary>
</Employee>
</EmployeeDatabase>
```

#### 47 Create a XML document for student database and apply the style sheet effects

##### student-47.css

rollno

```
{  
display:block;  
width: 50%;  
background-color: red;  
color: blue;  
text-align: center;  
font-weight: bold;  
}
```

31

studentname

```
{  
display:block;  
width: 50%;  
color:green;  
text-align: center;  
font-weight: bold;  
}
```

course

```
{  
display:block;  
width: 50%;  
color:blue;  
text-align: center;  
font-weight: bold;  
background-color: lightgray;
```

```
}
```

#### Web-Prog-47.html

```
<?xml version="1.0"?>
<?xml-stylesheet type="text/css" href="student-47.css"?>
<students>
<student>
<rollno>1001</rollno>
<studentname>Anil</studentname>
<course>BCom</course>
</student>
<student>
<rollno>1002</rollno>
<studentname>Mahesh</studentname>
<course>BCom</course>
</student>
<student>
<rollno>1003</rollno>
<studentname>Srinivas</studentname>
<course>BCom</course>
</student>
</students>
```

#### 48. Create a XML document with simple links

```
<?xml version="1.0" encoding="UTF-8"?>
<homepages xmlns:xlink="http://www.w3.org/1999/xlink">
<homepage xlink:type="simple" xlink:href="https://www.w3schools.com">
Visit W3Schools
</homepage>
<homepage xlink:type="simple" xlink:href="http://www.w3.org">
```

Visit W3C

</homepage>

</homepages>

49. Create a XML document for the Marketing department of an organization and

apply style effects

sales-49.css

PRODUCTNAME

```
{  
display: block;  
width: 50%;  
background-color: orange;  
color: blue;  
text-align: center;  
font-weight: bold;  
font-size: 35px;  
}
```

QUANTITY

```
{  
display: block;  
width: 50%;  
background-color: yellow;  
color: green;  
text-align: center;  
font-weight: bold;  
font-size: 30px;  
}
```

PRICE

```
{
```

```
display:block;
width: 50%;
color:blue;
text-align: center;
font-weight: bold;
background-color: lightgray;
font-size: 20px;
}
```

Web-Prog-49.html

```
<?xml version="1.0"?>
<?xml-stylesheet type="text/css" href="sales-49.css"?>
<SALESDATA>
<SALES>
<PRODUCTNAME>i-Phone 5S</PRODUCTNAME>
<QUANTITY>200</QUANTITY>
<PRICE>35000</PRICE>
</SALES>
<SALES>
<PRODUCTNAME>i-Phone 6S</PRODUCTNAME>
<QUANTITY>100</QUANTITY>
<PRICE>45000</PRICE>
</SALES>
<SALES>
<PRODUCTNAME>i-Phone 7S</PRODUCTNAME>
<QUANTITY>150</QUANTITY>
<PRICE>48000</PRICE>
</SALES>
</SALESDATA>
```

## 50. Create a program on XML Document Object Model

### Web-Prog-50.xml

```
<?xml version="1.0"?>
<bookstore>
  <book category="excel">
    <title>Excel Foundation</title>
    <author>abc</author>
    <year>2019</year>
    <price>150</price>
  </book>
  <book category="web">
    <title>Web Technology</title>
    <author>xyz</author>
    <year>2019</year>
    <price>175</price>
  </book>
</bookstore>
```

### Web-Prog-50.html

```
<html>
<head>
  <title>XML Document Object Model</title>
  <meta http-equiv="X-UA-Compatible" content="IE=EmulateIE9">
</head>
<body>
  <xml id="bookstore" src="Web-Prog-50.xml"></xml>
  <table width="50%" cellpadding="2" border="1" datasrc="#bookstore"
    datapagesize="10">
  <thead>
```

```
<tr>
<th>Title</th>
<th>Author</th>
<th>Year</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td align="center">
<span datafld="title"></span>
</td>
<td align="center">
<span datafld="author"></span>
</td>
<td align="center">
<span datafld="year"></span>
</td>
<td align="center">
<span datafld="price"></span>
</td>
</tr>
</tbody>
</table>
</body>
</html>
```