

<b>Ex.No.1</b>	<b>Design a HTML Webpage to show various Confectionary Items</b>
<b>Date:</b>	

**Aim:**

To Design a html webpage to show various confectionary items using ordered list, unordered list and text styles like bold, underline, Italic, h1...h6,etc .

**Algorithm:**

## Program:

```
<html>
<head> <title> Confectionary Items </title> </head>
<body>
<b><h1>Cake</h1></b>
<ol type="1">
  <li> Chocolate Cake</li>
  <li> Cream Cake</li>
  <li> Fruit Cake</li>
</ol>

<i><h3> Bakery Products</h3></i>
<ul style="list-style-type:circle;">
  <li> Bread & Bunse</li>
  <li> Rusk Toast</li>
  <li> Pastry</li>
</ul>

<u><h6> Ice Cream Types</h6></u>
<ol type="A">
  <li> Ice Cream Cones </li>
  <li> Ice Cream Bars</li>
  <li> Ice Cream Roll</li>
</ol>
</body>
</html>
```

**Output:**

**Result:**

**Ex.No.2**

**Design a HTML Webpage for display our College course details**

**Date:**

**Aim:**

To Design a html webpage for display our college course details with rowspan and colspan attribute using table.

**Algorithm:**

## Program:

<table border="5">

<caption><b>Government Arts and Science College-Veerapandi-Theni</b></caption>

<tr>

<th colspan="2">Courses Details</th>

<th colspan="1">UG Courses</th>

<th colspan="1">PG Courses</th>

</tr>

<tr>

<th rowspan="4">ARTS</th>

<td>1</td>

<td>BA-TAMIL</td>

<td>- </td>

</tr>

<tr>

<td>2</td>

<td>BA-ENGLISH</td>

<td>MA-ENGLISH</td>

</tr>

<tr>

<td>3</td>

<td>BA-ECONOMICS</td>

<td>MA-ECONOMICS</td>

</tr>

<tr>

<td>4</td>

<td>BCOM</td>

<td>-</td>

</tr>

```
<tr>
  <th rowspan="3">SCIENCE</th>
  <td>5</td>
  <td>BSc-CS</td>
  <td> MSc-CS </td>
</tr>
<tr>
  <td>6</td>
  <td>BCA</td>
  <td> - </td>
</tr>
<tr>
  <td>7</td>
  <td>Mathematics</td>
  <td> - </td>
</tr>
</table>
```

**Output:**

**Result:**

<b>Ex.No.3</b>	<b>Design a CSS to create Our College Website</b>
<b>Date:</b>	

**Aim:**

To Design a CSS to create our college website using dropdown menu.

**Algorithm:**



## Program:

```
<!DOCTYPE html>

<html>

<head>

<title>dropdown menu</title>

<script>

$(function() {

    if ($.browser.msie && $.browser.version.substr(0,1)<7)

    {

        $(li).has('ul').mouseover(function(){

            $(this).children('ul').show();

        }).mouseout(function(){

            $(this).children('ul').hide();

        })

    }

});

</script>

<style>

body

{

    width: 960px;

    margin: 40px auto;

}
```

```
/* Main menu */
```

```
#menu
```

```
{
```

```
    width: 100%;
```

```
    margin: 0;
```

```
    padding: 10px 0 0 0;
```

```
    list-style: none;
```

```
    background: #111;
```

```
    background: -moz-linear-gradient(#444, #111);
```

```
    background: -webkit-gradient(linear,left bottom,left top,color-stop(0, #111),color-stop(1, #444));
```

```
    background: -webkit-linear-gradient(#444, #111);
```

```
    background: -o-linear-gradient(#444, #111);
```

```
    background: -ms-linear-gradient(#444, #111);
```

```
    background: linear-gradient(#444, #111);
```

```
    -moz-border-radius: 50px;
```

```
    border-radius: 50px;
```

```
    -moz-box-shadow: 0 2px 1px #9c9c9c;
```

```
    -webkit-box-shadow: 0 2px 1px #9c9c9c;
```

```
    box-shadow: 0 2px 1px #9c9c9c;
```

```
}
```

```
#menu li
```

```
{
```

```
float: left;

padding: 0 0 10px 0;

position: relative;

line-height: 0;

}

#menu a

{

float: left;

height: 25px;

padding: 0 25px;

color: #999;

text-transform: uppercase;

font: bold 12px/25px Arial, Helvetica;

text-decoration: none;

text-shadow: 0 1px 0 #000;

}

#menu li:hover > a

{

color: #fafafa;

}

*html #menu li a:hover /* IE6 */

{
```

```
        color: #fafafa;
    }

#menu li:hover > ul
{
    display: block;
}

/* Sub-menu */

#menu ul
{
    list-style: none;
    margin: 0;
    padding: 0;
    display: none;
    position: absolute;
    top: 35px;
    left: 0;
    z-index: 99999;
    background: #444;
    background: -moz-linear-gradient(#444, #111);
    background: -webkit-gradient(linear,left bottom,left top,color-stop(0, #111),color-stop(1,
#444));
    background: -webkit-linear-gradient(#444, #111);
```

```
background: -o-linear-gradient(#444, #111);
background: -ms-linear-gradient(#444, #111);
background: linear-gradient(#444, #111);
-moz-box-shadow: 0 0 2px rgba(255,255,255,.5);
-webkit-box-shadow: 0 0 2px rgba(255,255,255,.5);
box-shadow: 0 0 2px rgba(255,255,255,.5);
-moz-border-radius: 5px;
border-radius: 5px;
}
```

```
#menu ul ul
```

```
{
  top: 0;
  left: 150px;
}
```

```
#menu ul li
```

```
{
  float: none;
  margin: 0;
  padding: 0;
  display: block;
  -moz-box-shadow: 0 1px 0 #111111, 0 2px 0 #777777;
  -webkit-box-shadow: 0 1px 0 #111111, 0 2px 0 #777777;
  box-shadow: 0 1px 0 #111111, 0 2px 0 #777777;
}
```

```
#menu ul li:last-child
```

```
{  
    -moz-box-shadow: none;  
    -webkit-box-shadow: none;  
    box-shadow: none;  
}
```

```
#menu ul a
```

```
{  
    padding: 10px;  
        height: 10px;  
        width: 130px;  
        height: auto;  
    line-height: 1;  
    display: block;  
    white-space: nowrap;  
    float: none;  
        text-transform: none;  
}
```

```
*html #menu ul a /* IE6 */
```

```
{  
        height: 10px;  
}
```

```
*:first-child+html #menu ul a /* IE7 */
```

```
{  
    height: 10px;  
}
```

```
#menu ul a:hover
```

```
{  
    background: #0186ba;  
    background: -moz-linear-gradient(#04acec, #0186ba);  
    background: -webkit-gradient(linear, left top, left bottom, from(#04acec),  
to(#0186ba));  
    background: -webkit-linear-gradient(#04acec, #0186ba);  
    background: -o-linear-gradient(#04acec, #0186ba);  
    background: -ms-linear-gradient(#04acec, #0186ba);  
    background: linear-gradient(#04acec, #0186ba);  
}
```

```
#menu ul li:first-child > a
```

```
{  
    -moz-border-radius: 5px 5px 0 0;  
    border-radius: 5px 5px 0 0;  
}
```

```
#menu ul li:first-child > a:after
```

```
{
  content: ";
  position: absolute;
  left: 30px;
  top: -8px;
  width: 0;
  height: 0;
  border-left: 5px solid transparent;
  border-right: 5px solid transparent;
  border-bottom: 8px solid #444;
}
```

#menu ul ul li:first-child a:after

```
{
  left: -8px;
  top: 12px;
  width: 0;
  height: 0;
  border-left: 0;
  border-bottom: 5px solid transparent;
  border-top: 5px solid transparent;
  border-right: 8px solid #444;
}
```

#menu ul li:first-child a:hover:after



```
{
    border-bottom-color: #04acec;
}

#menu ul ul li:first-child a:hover:after
{
    border-right-color: #04acec;
    border-bottom-color: transparent;
}

#menu ul li:last-child > a
{
    -moz-border-radius: 0 0 5px 5px;
    border-radius: 0 0 5px 5px;
}

/* Clear floated elements */
#menu:after
{
    visibility: hidden;
    display: block;
    font-size: 0;
    content: " ";
    clear: both;
    height: 0;
}
```

```
* html #menu { zoom: 1; } /* IE6 */
```

```
*:first-child+html #menu { zoom: 1; } /* IE7 */
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<center>
```

```
<h1>
```

```
Government Arts and Science College <br>Veerapandi
```

```
<h1>
```

```
</center>
```

```
<ul id="menu">
```

```
<li><a href="/">Home</a></li>
```

```
<li>
```

```
<a href="#">Department</a>
```

```
<ul>
```

```
<li>
```

```
<a href="#">Computer Application</a>
```

```
<ul>
```

```
<li><a href="#">staff List</a></li>
```

```
<li><a href="#">Login</a></li>
```

```
<li><a href="#">Student zone</a></li>
```

</ul>

</li>

<li>

<a href="#">Computer Science</a>

<ul>

<li><a href="#">staff List</a></li>

<li><a href="#">Login</a></li>

<li><a href="#">Student zone</a></li>

</ul>

</li>

<li>

<a href="#">Maths</a>

<ul>

<li><a href="#">staff List</a></li>

<li><a href="#">Login</a></li>

<li><a href="#">Student zone</a></li>

</ul>

</li>

</ul>

</li>

<li>

<a href="#">Acedemic</a>

<ul>

<li>

<a href="#">Syllabus</a>

<ul>

<li>

<a href="#">UG</a>

<ul>

<li>

<a href="#">UG</a>

</li>

</ul>

</li>

<li>

<a href="#">PG</a>

<ul>

<li>

<a href="#">UG</a>

</li>

</ul>

</li>

</ul>

</li>

<li>

<a href="#">Work 2</a>

<ul>

<li>

<a href="#">Work 21</a>

<ul>

<li>

<a href="#">Work 211</a>

</li>

<li>

<a href="#">Work 212</a>

</li>

<li>

<a href="#">Work 213</a>

</li>

</ul>

</li>

<li>

<a href="#">Work 22</a>

<ul>

<li>

<a href="#">Work 221</a>

</li>

<li>

<a href="#">Work 222</a>

</li>

<li>

<a href="#">Work 223</a>

</li>

</ul>

</li>

<li>

<a href="#">Work 23</a>

<ul>

<li>

<a href="#">Work 231</a>

</li>

<li>

<a href="#">Work 232</a>

</li>

<li>

<a href="#">Work 233</a>

</li>

</ul>

</li>

</ul>

</li>

</ul>

</li>

```
<li>
```

```
  <a href="#">About</a>
```

```
</li>
```

```
<li>
```

```
  <a href="#">Contact</a>
```

```
</li>
```

```
</ul>
```

```

```

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

```
</body>
```

```
</html>
```

**Output:**

**Result:**



<b>Ex.No.4</b>	<b>Fibonacci series</b>
<b>Date:</b>	

**Aim:**

To write a VB Script program for a Fibonacci series using for looping.

**Algorithm:**

## Program

```
<html>
<body><center>
<script type="text/vbscript">
dim a,b,c,n,i
a=0
b=1
n=inputbox("enter the limit")
for i=1 to n
c=a+b
document.write(a&"<br/>")
a=b
b=c
next
</script>
</center>
</body>
</html>
```

**Output**

**Result**

<b>Ex.No.5</b>	<b>Leap year or Not</b>
<b>Date:</b>	

**Aim:**

To write a VB Script program for finding out whether the given year is a leap year or not.

**Algorithm:**

## Program

```
<html>
<body><center>
<script type="text/vbscript">
dim year
year=inputbox("enter a year")
If((year mod 4 = 0) AND (year mod 100 <> 0) OR (year mod 400 = 0)) Then
document.write(year& " is leap year")
Else
document.write(year& " is not leap year")
End If
</script>
</center>
</body>
</html>
```

**Output**

**Result**

<b>Ex.No.6</b>	<b>Total marks and Grade</b>
<b>Date:</b>	

**Aim:**

To write a VB Script program for 4 subjects marks; calculate the Total marks and grade

**Algorithm:**

## Program

```
<html>
<body>
<script type="text/vbscript">
Dim mark1, mark2, mark3, mark4, total, avg
mark1=inputbox("enter the first mark")
mark2=inputbox("enter the second mark")
mark3=inputbox("enter the third mark")
mark4=inputbox("enter the fourth mark")
total=cint(mark1)+cint(mark2)+cint(mark3)+cint(mark4)
avg=total / 4
document.write("mark1 is " & mark1 & "<br />")
document.write("mark2 is " & mark2 & "<br />")
document.write("mark3 is " & mark3 & "<br />")
document.write("mark4 is " & mark4 & "<br />")
document.write("total marks is " & total & "<br />" )
document.write("average is " & avg & "<br />" )
If avg>=90 Then
document.write("A grade")
ElseIf avg>=80 Then
document.write("B grade")
ElseIf avg>=70 Then
document.write("C grade")
ElseIf avg>=60 Then
document.write("D grade")
ElseIf avg>=50 Then
document.write("E grade")
Else
document.write("Fail")
End If
```



```
</script>
```

```
</body>
```

```
</html>
```

**Output**

**Result**

<b>Ex.No.7</b>	<b>Natural numbers</b>
<b>Date:</b>	

**Aim:**

To write a VB Script program to display natural numbers up to n

**Algorithm:**

## Program

```
<html>
<body><center>
<script type="text/vbscript">
dim n,i
n=inputbox("enter the limit")
for i=1 to n
c=a+b
document.write(i&"<br/>")
next
</script>
</center>
</body>
</html>
```

**Output**

**Result**

<b>Ex.No.8</b>	<b>Count the Number Of Vowels</b>
<b>Date:</b>	

**Aim:**

To Write a JavaScript program to count the number of vowels in a given string.

**Algorithm:**

## Program

```
<html>
<body>
<script type="text/javascript">
  function noOfVowels(string)
  {
    var listOfVowels = 'aAeEiIoOuU';
    var vowelsCount = 0;
    for(var i = 0; i < string.length ; i++)
    {
      if (listOfVowels.indexOf(string[i]) !== -1)
      {
        vowelsCount += 1;
      }
    }
    return vowelsCount;
  }
  document.write(noOfVowels("welcome II BCA"));
</script>
</body>
</html>
```

**Output**

**Result**



<b>Ex.No.9</b>	<b>Set the Background Color of a Paragraph</b>
<b>Date:</b>	

**Aim:**

To Write a JavaScript program to set the background color of a paragraph with user choice.

**Algorithm:**

## Program

```
<head>
<meta charset=utf-8 />
<title>Set the background color of a paragraph</title>
</head>
<body>
<input type="button" value="Click to set paragraph background color"
onclick="set_background()">
<p>JavaScript Exercises</p>
<p>VBscript Exercises</p>
</body>
<script type="text/javascript">
function set_background()
{
docBody = document.getElementsByTagName("body")[0];
myBodyElements = docBody.getElementsByTagName("p");
myp1 = myBodyElements[0];
myp1.style.background = "rgb(255,0,0)";
myp2 = myBodyElements[1];
myp2.style.background = "rgb(255,255,0)";
}
</script>
```

**Output**

**Result**

<b>Ex.No.10</b>	<b>To check whether a given value is IP value or not</b>
<b>Date:</b>	

**Aim:**

To write a JavaScript function to check whether a given value is IP value or not.

**Algorithm:**

## Program

```
<!DOCTYPE HTML>
<html>
<head>
  <title>
    How to check for IP address
    using regular expression in javascript?
  </title>
</head>
<center>

  <body style="text-align:center;">
    <h1 style="color:green;">
      IP Validation
    </h1>
    <p id="GFG_UP"
      style="font-size: 15px;
          font-weight: bold;">

    </p>
    <button onclick="GFG_Fun()">
      click here
    </button>
    <p id="GFG_DOWN"
      style="font-size: 24px;
          font-weight: bold;
          color: green;">

    </p>
    <script>
      var up = document.getElementById('GFG_UP');
      var down = document.getElementById('GFG_DOWN');
      var addr = '172.169.43.1';
```

```
up.innerHTML =
"Click on the button to validate the IP Address.<br>"
+ addr;

function GFG_Fun() {
    down.innerHTML =
/^((25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).)/.test(addr);
}
</script>
</body>
</center>

</html>
```

**Output**

**Result**

<b>Ex.No.11</b>	<b>Scientific Calculator</b>
<b>Date:</b>	

**Aim:**

To design the scientific calculator and make event for each button using JavaScript.

**Algorithm:**



## Program

```
<html>
<head>
<title></title>
</head>
<style type="text/css">
* {
padding: 0;
margin: 5px;
text-align: center;
}
body {
background-color:#ff9933;
}
.calculator {
width: 350px;
height: 320px;
background-color: #c0c0c0;
box-shadow: 0px 0px 0px 10px #666;
border: 5px solid black;
border-radius: 10px;
}
#display {
width: 320px;
height: 40px;
text-align: right;
background-color: black;
border: 3px solid white;
font-size: 18px;
left: 2px;
top: 2px;
```

```
color: #7fff00;
}
.btnTop{
color: white;
background-color: #6f6f6f;
font-size: 14px;
margin: auto;
width: 50px;
height: 25px;
}
.btnNum {
color: white;
background-color: black;
font-size: 14px;
margin: auto;
width: 50px;
height: 25px;
}
.btnMath {
color: white;
background-color: #ff4561;
font-size: 14px;
margin: auto;
width: 50px;
height: 25px;
}
.btnOpps {
color: white;
background-color: #ff9933;
font-size: 14px;
margin: auto;
```

```

width: 50px;
height: 25px;
}
</style>
<body>
<form name="sci-calc">
<table class="calculator" cellspacing="0" cellpadding="1">
<tr>
<td colspan="5"><input id="display" name="display" value="0" size="28"
maxlength="25"></td>
</tr>
<tr>
<td><input type="button" class="btnTop" name="btnTop" value="C"
onclick="this.form.display.value= 0 "></td>
<td><input type="button" class="btnTop" name="btnTop" value="<--"
onclick="deleteChar(this.form.display)"></td>
<td><input type="button" class="btnTop" name="btnTop" value="="
onclick="if(checkNum(this.form.display.value)) { compute(this.form) }"></td>
<td><input type="button" class="btnOpps" name="btnOpps" value="π;"
onclick="addChar(this.form.display,'3.14159265359')"></td>
<td><input type="button" class="btnMath" name="btnMath" value="%" onclick="
percent(this.form.display)"></td>
</tr>
<tr>
<td><input type="button" class="btnNum" name="btnNum" value="7"
onclick="addChar(this.form.display, '7')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="8"
onclick="addChar(this.form.display, '8')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="9"
onclick="addChar(this.form.display, '9')"></td>

```

```

<td><input type="button" class="btnOpps" name="btnOpps" value="x&#94;"
onclick="if(checkNum(this.form.display.value)) { exp(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="/"
onclick="addChar(this.form.display, '/')"></td>
<tr>
<td><input type="button" class="btnNum" name="btnNum" value="4"
onclick="addChar(this.form.display, '4')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="5"
onclick="addChar(this.form.display, '5')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="6"
onclick="addChar(this.form.display, '6')"></td>
<td><input type="button" class="btnOpps" name="btnOpps" value="ln"
onclick="if(checkNum(this.form.display.value)) { ln(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="*"
onclick="addChar(this.form.display, '*')"></td>
</tr>
<tr>
<td><input type="button" class="btnNum" name="btnNum" value="1"
onclick="addChar(this.form.display, '1')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="2"
onclick="addChar(this.form.display, '2')"></td>
<td><input type="button" class="btnNum" name="btnNum" value="3"
onclick="addChar(this.form.display, '3')"></td>
<td><input type="button" class="btnOpps" name="btnOpps" value="&radic;"
onclick="if(checkNum(this.form.display.value)) { sqrt(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="-"
onclick="addChar(this.form.display, '-')"></td>
</tr>
<tr>
<td><input type="button" class="btnMath" name="btnMath" value="&#177"
onclick="changeSign(this.form.display)"></td>

```

```

<td><input type="button" class="btnNum" name="btnNum" value="0"
onclick="addChar(this.form.display, '0')"></td>
<td><input type="button" class="btnMath" name="btnMath" value="&#46;"
onclick="addChar(this.form.display, '&#46;')"></td>
<td><input type="button" class="btnOpps" name="btnOpps" value="x&#50;"
onclick="if(checkNum(this.form.display.value)) { square(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="+"
onclick="addChar(this.form.display, '+')"></td>
</tr>
<tr>
<td><input type="button" class="btnMath" name="btnMath" value="("
onclick="addChar(this.form.display, '(')"></td>
<td><input type="button" class="btnMath" name="btnMath" value=")"
onclick="addChar(this.form.display, ')")"></td>
<td><input type="button" class="btnMath" name="btnMath" value="cos"
onclick="if(checkNum(this.form.display.value)) { cos(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="sin"
onclick="if(checkNum(this.form.display.value)) { sin(this.form) }"></td>
<td><input type="button" class="btnMath" name="btnMath" value="tan"
onclick="if(checkNum(this.form.display.value)) { tan(this.form) }"></td>
</tr>
</table>
</form>
</body>
<script>
function addChar(input, character) {
if(input.value == null || input.value == "0")
input.value = character
else
input.value += character
}

```

```
function cos(form) {
form.display.value = Math.cos(form.display.value);
}
function sin(form) {
form.display.value = Math.sin(form.display.value);
}
function tan(form) {
form.display.value = Math.tan(form.display.value);
}
function sqrt(form) {
form.display.value = Math.sqrt(form.display.value);
}
function ln(form) {
form.display.value = Math.log(form.display.value);
}
function exp(form) {
form.display.value = Math.exp(form.display.value);
}
function deleteChar(input) {
input.value = input.value.substring(0, input.value.length - 1)
}
var val = 0.0;
function percent(input) {
val = input.value;
input.value = input.value + "%";
}
function changeSign(input) {
if(input.value.substring(0, 1) == "-")
input.value = input.value.substring(1, input.value.length)
else
input.value = "-" + input.value
```

```
}  
function compute(form) {  
  form.display.value = eval(form.display.value);  
}  
function square(form) {  
  form.display.value = eval(form.display.value) * eval(form.display.value)  
}  
function checkNum(str) {  
  for (var i = 0; i < str.length; i++) {  
    var ch = str.charAt(i);  
    if (ch < "0" || ch > "9") {  
      if (ch != "/" && ch != "*" && ch != "+" && ch != "-" && ch != "."  
        && ch != "(" && ch != ")" && ch != "%") {  
        alert("invalid entry!")  
        return false  
      }  
    }  
  }  
  return true  
}  
</script>  
</html>
```

**Output**

**Result**



<b>Ex.No.12</b>	<b>COOKIE</b>
<b>Date:</b>	

**Aim:**

To write a JavaScript program to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page.

**Algorithm:**

## Program

```
<html>
<head>
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
<title>JavaScript creating cookies - example1</title>
</head>
<body>
<h1 style="color: red">JavaScript creating cookies - example1</h1>
<hr />
<script>
function CookieSet (cName, cValue, cPath, cExpires)
{
cvalue = encodeURIComponent(cValue);
if (cExpires == "")
{
var cdate = new Date();
cdate.setMonth(cdate.getMonth() + 9);
cExpires = cdate.toUTCString();
}
if (cPath != "")
{
cPath = ";Path=" + cPath;
}
document.cookie = cName + "=" + cValue + "expires=" + cExpires + cPath;
}
CookieSet("Name", "George ", "", "");
alert(document.cookie)
</script>
</body>
</html>
```

**Output**

**Result**

<b>Ex.No.13</b>	<b>Quiz</b>
<b>Date:</b>	

**Aim:**

To design simple questionnaire(Quiz) webpage with validation using javascript.

**Algorithm:**

## Program

### index.html

```
<html>
<head>
  <title>Quiz</title>
  <style>
    div#test{
      border:#5AB029 3px solid;
      padding:10px 40px 40px 40px;
      background-color:#E5FCE3;
      width:50%;}
  </style>
  <script src="quiz.js"></script>
</head>
<body>
  <h2 id="test_status"></h2>
  <div id="test"></div>
</body>
</html>
```

## quiz.js

```
// pos is position of where the user in the test or which question they're up to
var pos = 0, test, test_status, question, choice, choices, chA, chB, chC, correct = 0;
// this is a multidimensional array with 4 inner array elements with 5 elements inside them
var questions = [
  {
    question: "What is 36 + 42",
    a: "64",
    b: "78",
    c: "76",
    answer: "B"
  },
  {
    question: "What is 7 x 4?",
    a: "21",
    b: "27",
    c: "28",
    answer: "C"
  },
  {
    question: "What is 16 / 4?",
    a: "4",
    b: "6",
    c: "3",
    answer: "A"
  },
  {
    question: "What is 8 x 12?",
    a: "88",
    b: "112",
```

```

    c: "96",
    answer: "C"
  }
];
// this get function is short for the getElementById function
function get(x){
  return document.getElementById(x);
}
// this function renders a question for display on the page
function renderQuestion(){
  test = get("test");
  if(pos >= questions.length){
    test.innerHTML = "<h2>You got "+correct+" of "+questions.length+" questions
correct</h2>";
    get("test_status").innerHTML = "Test completed";
    // resets the variable to allow users to restart the test
    pos = 0;
    correct = 0;
    // stops rest of renderQuestion function running when test is completed
    return false;
  }
  get("test_status").innerHTML = "Question "+(pos+1)+" of "+questions.length;

  question = questions[pos].question;
  chA = questions[pos].a;
  chB = questions[pos].b;
  chC = questions[pos].c;
  // display the question
  test.innerHTML = "<h3>"+question+"</h3>";
  // display the answer options
  // the += appends to the data we started on the line above

```

```
test.innerHTML += "<label> <input type='radio' name='choices' value='A'>
"+chA+"</label><br>";
test.innerHTML += "<label> <input type='radio' name='choices' value='B'>
"+chB+"</label><br>";
test.innerHTML += "<label> <input type='radio' name='choices' value='C'>
"+chC+"</label><br><br>";
test.innerHTML += "<button onclick='checkAnswer()'>Submit Answer</button>";
}
function checkAnswer(){
// use getElementsByName because we have an array which it will loop through
choices = document.getElementsByName("choices");
for(var i=0; i<choices.length; i++){
if(choices[i].checked){
choice = choices[i].value;
}
}
// checks if answer matches the correct choice
if(choice == questions[pos].answer){
//each time there is a correct answer this value increases
correct++;
}
// changes position of which character user is on
pos++;
// then the renderQuestion function runs again to go to next question
renderQuestion();
}
// Add event listener to call renderQuestion on page load event
window.addEventListener("load", renderQuestion);
```



**Output**

**Result**

<b>Ex.No.14</b>	<b>Registration form</b>
<b>Date:</b>	

**Aim:**

To design a user registration form in HTML(like gmail,naukri) with javascript validation.

**Algorithm:**

## Program

```
<html lang="en"><head>
<meta charset="utf-8">
<title>JavaScript Form Validation using a sample registration form</title>
<meta name="keywords" content="example, JavaScript Form Validation, Sample registration
form" />
<meta name="description" content="This document is an example of JavaScript Form
Validation using a sample registration form. " />
<link rel='stylesheet' href='js-form-validation.css' type='text/css' />
<script src="sample-registration-form-validation.js"></script>
</head>
<body onload="document.registration.userid.focus();">
<h1>Registration Form</h1>
Use tab keys to move from one input field to the next.
<form name='registration' onSubmit="return formValidation();">
<ul>
<li><label for="userid">User id:</label></li>
<li><input type="text" name="userid" size="12" /></li>
<li><label for="passid">Password:</label></li>
<li><input type="password" name="passid" size="12" /></li>
<li><label for="username">Name:</label></li>
<li><input type="text" name="username" size="50" /></li>
<li><label for="address">Address:</label></li>
<li><input type="text" name="address" size="50" /></li>
<li><label for="country">Country:</label></li>
<li><select name="country">
<option selected="" value="Default">(Please select a country)</option>
<option value="AF">Australia</option>
<option value="AL">Canada</option>
```

```
<option value="DZ">India</option>
<option value="AS">Russia</option>
<option value="AD">USA</option>
</select></li>
<li><label for="zip">ZIP Code:</label></li>
<li><input type="text" name="zip" /></li>
<li><label for="email">Email:</label></li>
<li><input type="text" name="email" size="50" /></li>
<li><label id="gender">Sex:</label></li>
<li><input type="radio" name="msex" value="Male" /><span>Male</span></li>
<li><input type="radio" name="fsex" value="Female" /><span>Female</span></li>
<li><label>Language:</label></li>
<li><input type="checkbox" name="en" value="en" checked /><span>English</span></li>
<li><input type="checkbox" name="nonen" value="noen" /><span>Non English</span></li>
<li><label for="desc">About:</label></li>
<li><textarea name="desc" id="desc"></textarea></li>
<li><input type="submit" name="submit" value="Submit" /></li>
</ul>
</form>
</body>
</html>
```

**Output**

**Result**

