

EX:1 Design a Login Page which contains Login Field, Password Field, Submit and Reset Buttons using HTML

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Creation of Login form using HTML
    </title>
  </head>

  <body style="text-align:center;">

    <h1 style="color:green;">
      Login Form
    </h1>

    <h2>
      Creation of Login form using HTML

    <form>
      <label>Username : </label>
      <input type="text" name="username" required> <br><br>
      <label>Password : </label>
      <input type="password" name="password" required>
      <br><br>

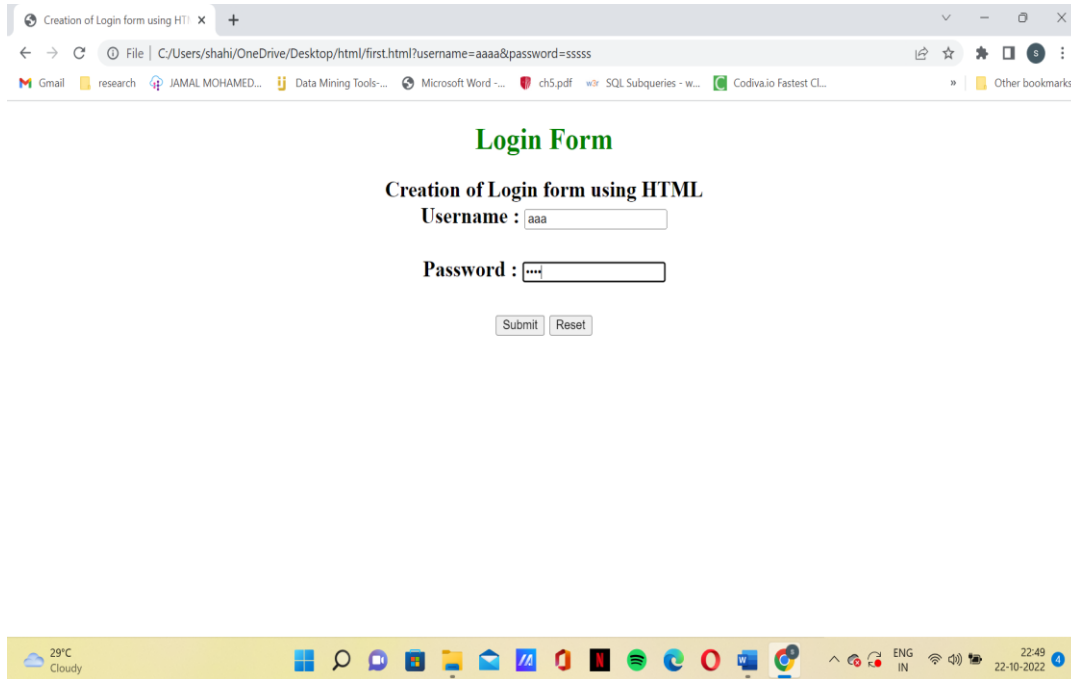
      <input type="submit" onclick="check(this.form)" value="Submit">
      <input type="reset">
    </form>
    <script language="javascript">
function check(form)
{

      alert("Logged in Successfully")

}
</script>

  </body>

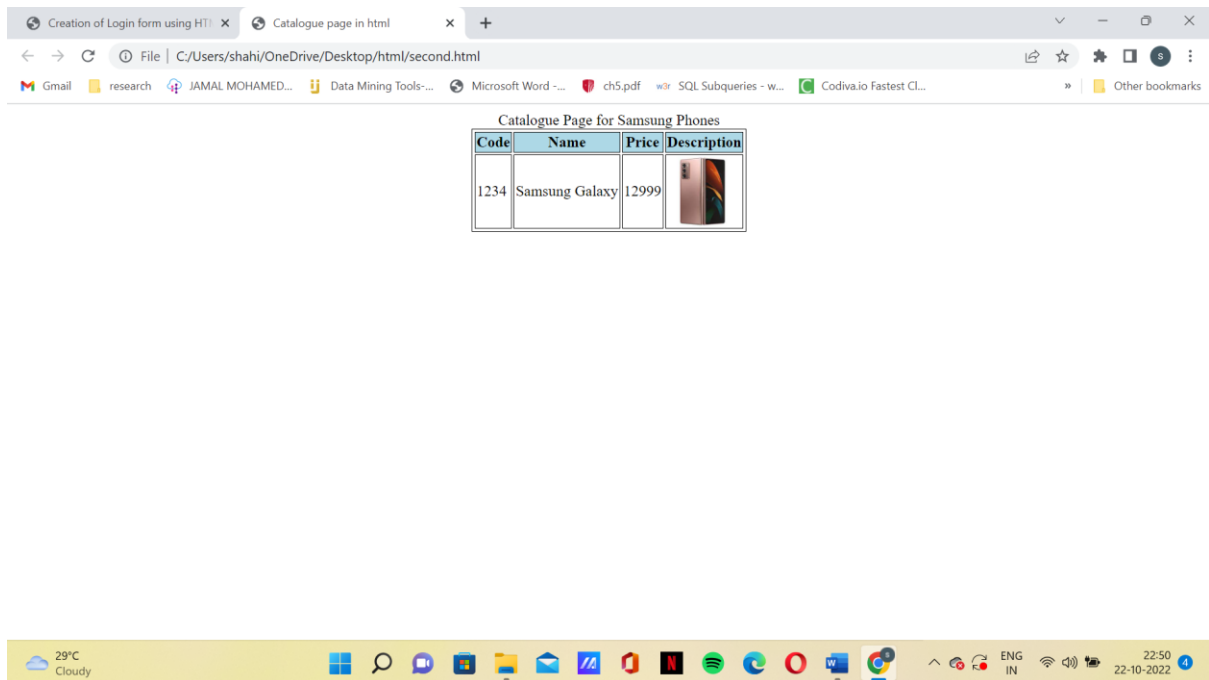
</html>
```



Ex : 2 Design a Catalogue Page in HTML using Table Tag.

```
<html>
<head>
<title>Catalogue page in html</title>
<style>
table, th, td {
  border: 1px solid black;
}
</style>
</head>
<body>
<table align="center">
<caption>Catalogue Page for Samsung Phones</caption>
<tr bgcolor="lightblue">
  <th>Code</th>
  <th>Name</th>
  <th>Price</th>
  <th>Description</th>
</tr>
<tr>
  <td>1234</td>
  <td>Samsung Galaxy</td>
  <td>12999</td>
  <td>
</tr>
</table>
```

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



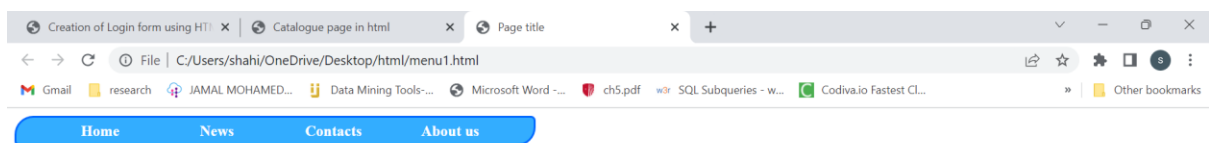
EX: 3. Create a CSS to design Menu.

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Page title</title>
<style>
#navbar {
margin: 0;
padding: 0;
list-style-type: none;
border: 2px solid #0066FF;
border-radius: 20px 5px;
width: 550px;
text-align: center;
background-color: #33ADFF;
}
#navbar li { display: inline; }
#navbar a {
color: #fff;
padding: 5px 10px;
text-decoration: none;
font-weight: bold;
display: inline-block;
width: 100px;
}
#navbar a:hover {
```

```

border-radius: 20px 5px;
background-color: #0066FF;
}
</style>
</head>
<body>
<ul id="navbar">
<li><a href="#">Home</a></li>
<li><a href="#">News</a></li>
<li><a href="#">Contacts</a></li>
<li><a href="#">About us</a></li>
</ul>
</body>
</html>

```



Ex: 5. Design a web page that contains a selection box with a list of 5 countries, When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size)

```

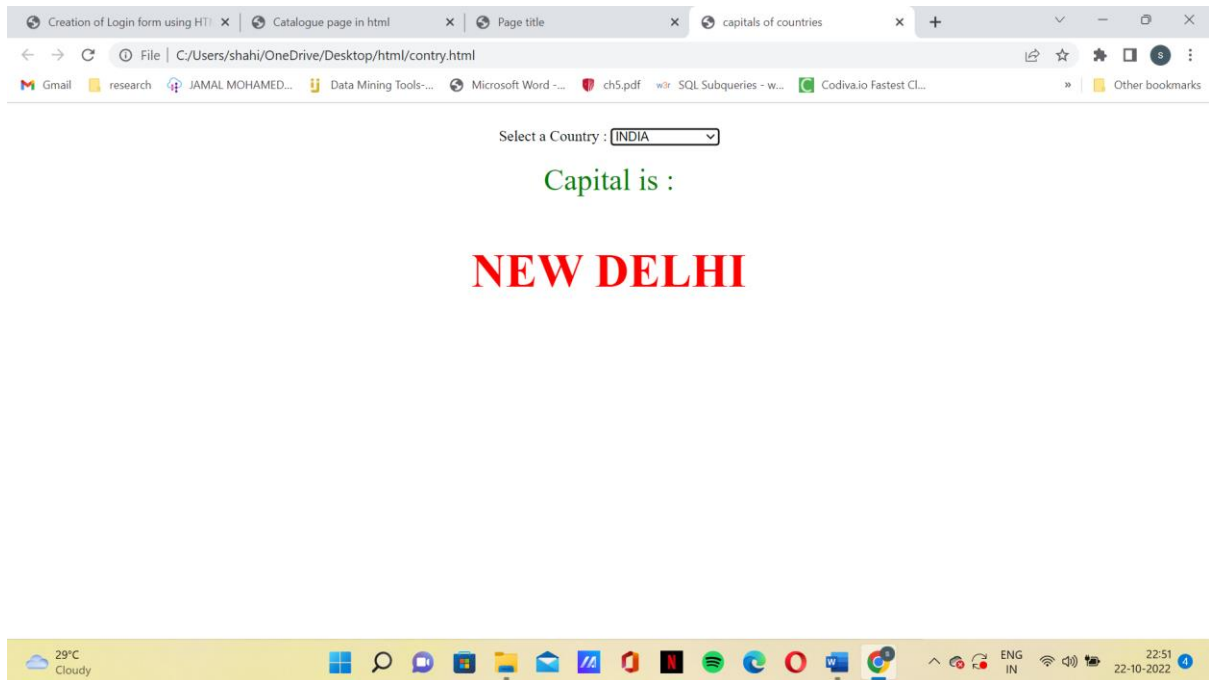
<html>
<head>
<title>capitals of countries</title>
<style>
p{
color:red;
font-weight:bold;
font-size:50;
}
</style>

```

```
<script language="javascript">
function capital()
{
var cunt=document.forms["frm1"].country.value;
var capital=" Please select any country ";
if( cunt=="india")
{
capital="NEW DELHI";
}
if( cunt=="china")
{
capital="BEIJING";
}
if( cunt=="pakistan")
{
capital="ISLAMABAD";
}
if( cunt=="bangladesh")
{
capital="DHAKA";
}
if( cunt=="japan")
{
capital="TOKYO";
}

if( cunt=="select")
{
capital="Please select any country";
}
document.getElementById("capt").innerHTML=capital;
}
</script>
</head>
<body>
<form name="frm1">
<br/>
<center>
Select a Country : <select name="country" onchange="capital()">
<option value="select">--SELECT--</option>
<option value="india">INDIA</option>
<option value="china">CHINA</option>
<option value="pakistan">PAKISTAN</option>
<option value="bangladesh">BANGLADESH</option>
<option value="japan">JAPAN</option>
</select>
<br/>
<br/>
<font color="green" size="6">Capital is :</font> <p id="capt"></p>
</center>
```

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



EX:6 Develop a simple calculator to perform the basic operations using JavaScript

<!-- Create a simple Program to build the Calculator in JavaScript using with HTML and CSS web languages. -->

```
<!DOCTYPE html>
```

```
<html lang = "en">
```

```
<head>
```

```
<title> JavaScript Calculator </title>
```

```
<style>
```

```
h1 {
```

```
  text-align: center;
```

```
  padding: 23px;
```

```
  background-color: skyblue;
```

```
  color: white;
```

```
}
```

```
#clear{
```

```
width: 270px;
```

```
border: 3px solid gray;
```

```
  border-radius: 3px;
```

```
  padding: 20px;
```

```
  background-color: red;
```

```
}
```

```
.formstyle
```

```
{
width: 300px;
height: 530px;
margin: auto;
border: 3px solid skyblue;
border-radius: 5px;
padding: 20px;
}
```

```
input
{
width: 20px;
background-color: green;
color: white;
border: 3px solid gray;
border-radius: 5px;
padding: 26px;
margin: 5px;
font-size: 15px;
}
```

```
#calc{
width: 250px;
border: 5px solid black;
border-radius: 3px;
padding: 20px;
margin: auto;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1> Calculator Program in JavaScript </h1>
```

```
<div class= "formstyle">
```

```
<form name = "form1">
```

```
<input id = "calc" type ="text" name = "answer"> <br> <br>
```

```
<input type = "button" value = "1" onclick = "form1.answer.value += '1' ">
```

```
<input type = "button" value = "2" onclick = "form1.answer.value += '2' ">
```

```
<input type = "button" value = "3" onclick = "form1.answer.value += '3' ">
```

```
<input type = "button" value = "+" onclick = "form1.answer.value += '+' ">
```

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

```
<input type = "button" value = "4" onclick = "form1.answer.value += '4' ">
```

```

<input type = "button" value = "5" onclick = "form1.answer.value += '5' ">
<input type = "button" value = "6" onclick = "form1.answer.value += '6' ">
<input type = "button" value = "-" onclick = "form1.answer.value += '-' ">
<br> <br>

```

```

<input type = "button" value = "7" onclick = "form1.answer.value += '7' ">
<input type = "button" value = "8" onclick = "form1.answer.value += '8' ">
<input type = "button" value = "9" onclick = "form1.answer.value += '9' ">
<input type = "button" value = "*" onclick = "form1.answer.value += '*' ">
<br> <br>

```

```

<input type = "button" value = "/" onclick = "form1.answer.value += '/' ">
<input type = "button" value = "0" onclick = "form1.answer.value += '0' ">

```

```

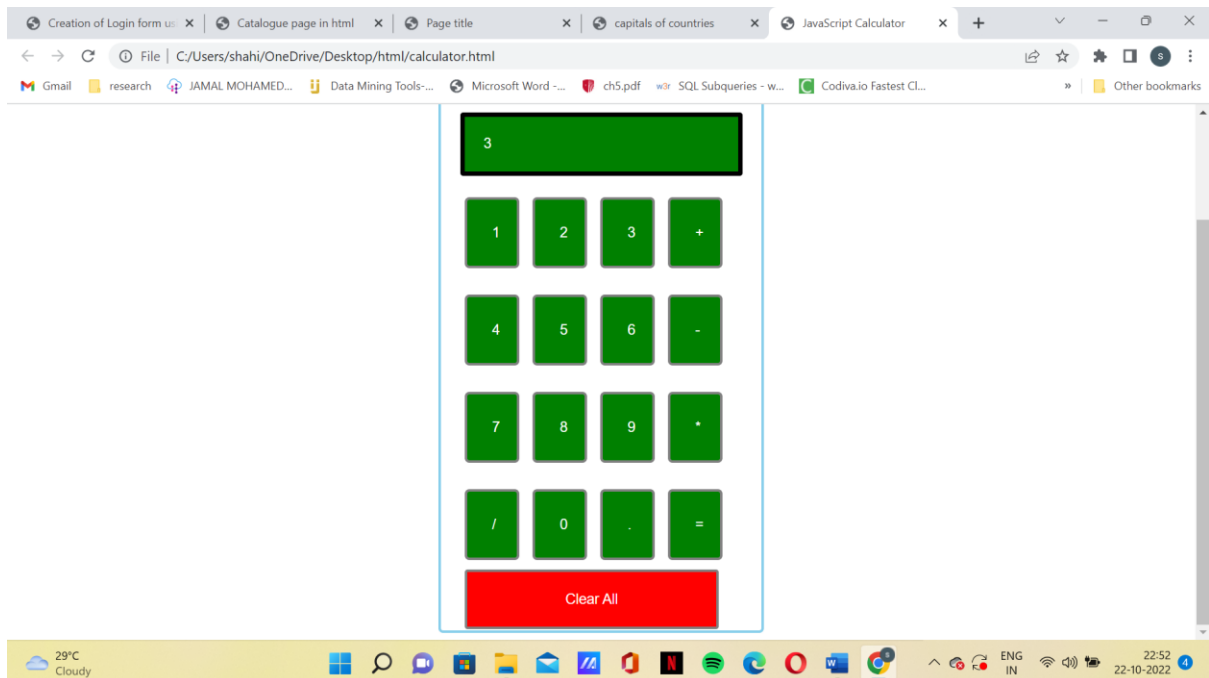
<input type = "button" value = "." onclick = "form1.answer.value += '.' ">

```

```

<input type = "button" value = "=" onclick = "form1.answer.value =
eval(form1.answer.value) ">
<br>
<!-- Display the Cancel button and erase all data entered by the user. -->
<input type = "button" value = "Clear All" onclick = "form1.answer.value = ' ' " id= "clear"
>
<br>
</form>
</div></body></html>

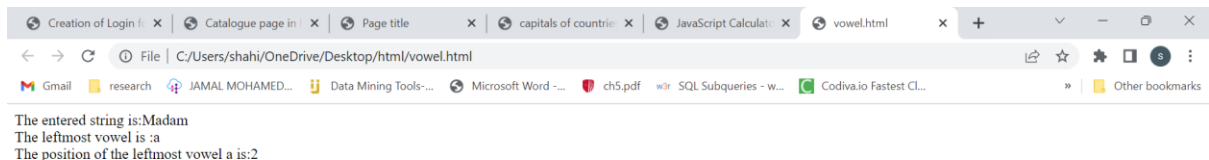
```



EX: 7. Develop a JavaScript codeto find the position of left most vowel in a given string

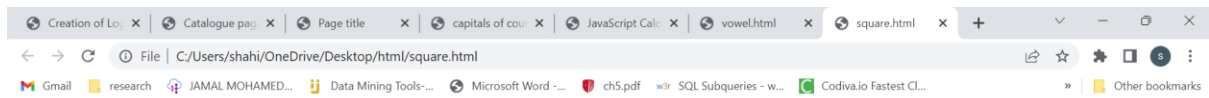

```
//FindLeftmostVowel.html
```

```
<!DOCTYPE HTML>
<?xml version="1.0" encoding="UTF-8"?>
<html>
<head>
<script type="text/javascript">
function str_vowel()
{
    var str=prompt("Enter the string\n", " ");
    for(var i = 0; i<str.length; i++)
    {
        if (str.charAt(i) == 'a' || str.charAt(i) == 'e' || str.charAt(i) == 'i'
            || str.charAt(i) == 'o' || str.charAt(i) == 'u' || str.charAt(i) == 'A' ||
            str.charAt(i) == 'E' || str.charAt(i) == 'I' || str.charAt(i) == 'O' || str.charAt(i) ==
            'U')
            {
                document.write("The entered string is:" +str+ "<br/>");
                document.write("The leftmost vowel is :"+str.charAt(i)+"<br/>");
                var pos = i+1;
                document.write("The position of the leftmost vowel " +str.charAt(i)+ "
is:" +pos+"\n");
                exit;          }      }
        document.write("The entered string is:" +str+ "<br/>");
        document.write("The entered string has no vowels");
    }
</script></head>
<body style="background-color:green" onload = "str_vowel();">
</body>
</html>
```



EX: 8. Develop a JavaScript code that calculates the square and cube of numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

```
<!DOCTYPE HTML>
<html>
<head> <style>
table,tr,
td
{
border: solid black;
width: 33%;
text-align: center;
border-collapse: collapse;
background-color:lightblue;
}
table { margin: auto;
} </style>
<script>
document.write( "<table><tr><thcolspan='3'> NUMBERS FROM 0 TO 10 WITH THEIR
QUARES AND CUBES </th></tr>" );
document.write( "<tr><td>Number</td><td>Square</td><td>Cube</td></tr>" );
for(var n=0; n<=10; n++)
{
document.write( "<tr><td>" + n + "</td><td>" + n*n + "</td><td>" + n*n*n + "</td></tr>" )
;
}
document.write( "</table>" );
</script>
</head>
</html>
```



NUMBERS FROM 0 TO 10 WITH THEIR SQUARES AND CUBES

Number	Square	Cube
0	0	0
1	1	1
2	4	8
3	9	27
4	16	64
5	25	125
6	36	216
7	49	343
8	64	512
9	81	729
10	100	1000

EX: 9. Develop a JavaScript code to create a simple multiplication table for given rows and columns

```
<html>
<head>
  <title>Multiplication Table</title>
  <script type="text/javascript">
    var rows = prompt("How many rows for your multiplication table?");
    var cols = prompt("How many columns for your multiplication table?");
    if(rows == "" || rows == null)
      rows = 10;
    if(cols == "" || cols == null)
      cols = 10;
    createTable(rows, cols);
    function createTable(rows, cols)
    {
      var j=1;
      var output = "<table border='1' width='500' cellspacing='0' cellpadding='5'>";
      for(i=1;i<=rows;i++)
      {
        output = output + "<tr>";
        while(j<=cols)
        {
          output = output + "<td>" + i+"*" + j+"=" + i*j + "</td>";
          j = j+1;
        }
        output = output + "</tr>";
        j = 1;
      }
      output = output + "</table>";
    }
  </script>
</head>
</html>
```

```

document.write(output);
}
</script>
</head>
<body> </body> </html>

```

The screenshot shows a web browser window with the address bar displaying 'File | C:/Users/shahi/OneDrive/Desktop/html/multable.html'. The browser tabs include 'Creation of', 'Catalogue', 'Page title', 'capitals of', 'JavaScript', 'vowel.html', 'square.htm', and 'Multiplicat'. The main content area displays a table with 5 rows and 5 columns of multiplication results:

1*1=1	1*2=2	1*3=3	1*4=4	1*5=5
2*1=2	2*2=4	2*3=6	2*4=8	2*5=10
3*1=3	3*2=6	3*3=9	3*4=12	3*5=15
4*1=4	4*2=8	4*3=12	4*4=16	4*5=20
5*1=5	5*2=10	5*3=15	5*4=20	5*5=25



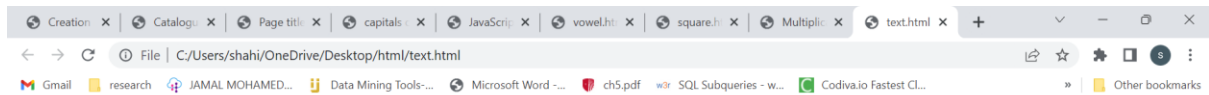
EX: 10. Develop a JavaScript code that displays text “TEXT-GROWING” with increasing font size in the interval of 100ms in RED COLOR, when the font size reaches 50pt it displays “TEXT-SHRINKING” in BLUE color. Then the font size decreases to 5pt.

```

<!DOCTYPE html>
<html>
<body>
<div id="h"></div>
<script>
var v = 0, f = 1, t="TEXT-GROWING", color;
function a()
{
if(f==1)
v+=5, color="red";
else
v-=5, color="blue";
document.getElementById("h").innerHTML = "<h1 style=\"font-size: "+v+"px ; margin: 0px; color : "+color+"\"><b> "+t+"</b></h1>";
if(v==50)
f = 0, t="TEXT-SHRINKING";
if(v==5)
f = 1, t="TEXT-GROWING";
c();
}

```

```
function c()
{
  setTimeout(a,300);
}
c();
</script>
</body>
</html>
```



TEXT-GROWING

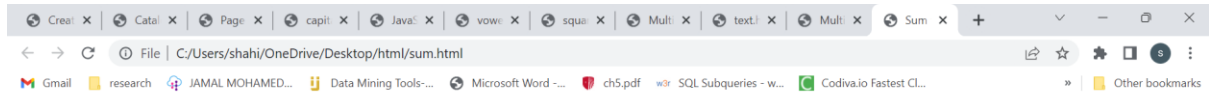
EX: 11. Develop a JavaScript code to sum the multiples of 3 and 5 under 100.

```
<html>
<head>
  <title>Sum the multiples of 3 and 5 under 100</title>
<h1> To find the Sum of multiples of 3 and 5 under 100</h1>
  <script type="text/javascript">
    var sum = 0;
var number = 100;
for (var i = 0; i <= number; i++)
{
  if (i % 3 == 0 || i % 5 == 0)
  {

    sum += i;
  }
}

document.write("The Sum is "+sum);
</script>
```

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



To find the Sum of multiples of 3 and 5 under 100

The Sum is 2418



EX: 12. Develop a JavaScript code for iterating 15 times and for each iteration, it should check and display whether the current Number is odd or even.

```
<!DOCTYPE html>
<html>
<head>
<meta charset=utf-8 />
<title>For loop that will iterate from 0 to 15</title>
</head>
<body>
<script>
for (var x=0; x<=15; x++) {
  if (x === 0) {
    document.write(x + " is even");
    document.write("<br>");
  }
  else if (x % 2 === 0) {
    document.write(x + " is even ");
    document.write("<br>");
  }
  else {
    document.write(x + " is odd ");
    document.write("<br>");
  }
}
```

```
}  
</script>  
</body>  
</html>
```

