

## Refreshing Java Script and CSS

1. Write an HTML & CSS code to create Horizontal and Vertical Menu.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Menu</title>
  <style>
    h1 {
      color:rgb(49, 100, 100);
    }
    ul {
      list-style-type: none;
      margin: 0;
      padding: 0;
      overflow: hidden;
      background-color: rgb(249, 212, 0);
    }

    .nav1{
      float: left;
    }
    li:hover {
      background-color:rgb(157, 156, 87);
    }
    .hnav {
      display: inline-block;
      color: rgb(0, 0, 0);
      padding: 12px 12px;
      text-decoration: none;
    }

    .vnav {
      display: block;
      color: rgb(0, 0, 0);
      padding: 12px 12px;
      text-decoration: none;
    }

  </style>
```

```
</head>
<body>
  <div>
    <h1>Horizontal Menu</h1>
    <ul>
      <li class="nav1"><a href="#" class="hnav">Home</a></li>
      <li class="nav1"><a href="#" class="hnav">About</a></li>
      <li class="nav1"><a href="#" class="hnav">Contact</a></li>
      <li class="nav1"><a href="#" class="hnav">Login</a></li>
    </ul>
  </div>
  <br>
  <div>
    <h1>Vertical Menu</h1>
    <ul>
      <li><a href="#" class="vnav">Home</a></li>
      <li><a href="#" class="vnav">About</a></li>
      <li><a href="#" class="vnav">Contact</a></li>
      <li><a href="#" class="vnav">Login</a></li>
    </ul>
  </div>
</body>
</html>
```

Output:-

---

### Horizontal Menu(200210116006)

Home About Contact Login

### Vertical Menu(200210116006)

Home

About

Contact

Login

2. Write JavaScript code for loop that will iterate from 0 to 15 for each iteration, it will check if the current number is odd or even, and display a message to the screen.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script type="text/javascript">
    var i;
    for(i=0; i<=15; i++)
    {
      if(i==0)
      {
        document.writeln('<br>'+i+ ' '+'is Even');
      }
      else if(i%2==0)
      {
        document.writeln('<br>'+i + ' '+'is Even');
      }
      else
      {
        document.writeln('<br>'+i+ ' '+'is Odd');
      }
    }
  </script>
</head>
<body>
</body>
</html>
```

Output:-

---

```
0 is Even
1 is Odd
2 is Even
3 is Odd
4 is Even
5 is Odd
6 is Even
7 is Odd
8 is Even
9 is Odd
10 is Even
11 is Odd
12 is Even
13 is Odd
14 is Even
15 is Odd
```

3. Write an HTML and JavaScript program which accepts N as input and display first N Fibonacci numbers as list.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Fibonacci Series</title>
</head>
<body>
  <script type="text/javascript">
    function fibo() {
      var n1=0, n2=1, nextnum, i;
      var N = document.getElementById('num').value;
      for(i=0; i<N; i++) {
        document.getElementById('result').innerHTML += (" "+n1); //for loop
        //overwrite innerHTML in each iteration so we use +=(compound operator)
        nextnum=n1+n2;
        n1=n2;
        n2=nextnum;
      }
    }
  </script>
  <h1>Fibonacci Series(200210116006)</h1>
  <label for="num">Enter Term:</label>
  <input type="number" id="num">
  <input type="button" value="Submit" onclick="fibo()>
  <br><br>
  <p>Fibonacci Series:<span id="result"></span></p>
</body>
</html>
```

Output:-

---

## Fibonacci Series(200210116006)

Enter Term:

Fibonacci Series: 0 1 1 2 3 5

4. Write JavaScript code to know which mouse button was clicked, number of elements in form, and write hello world on the document.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script type="text/javascript">
    document.onmousedown = mouse;
    function mouse(event) {
      if(event.button == 0) {
        document.getElementById("result").innerHTML = "Left Mouse Button Was
Clicked.";
      }
      if(event.button == 1){
        documnet.getElemntById("result").innerHTML = "Middle Mouse Button Was
Clicked";
      }
      if(event.button == 2){
        document.getElementById("result").innerHTML = "Right Mouse Button Was
Clicked";
      }
    }

    function num() {
      var x = document.getElementById("myform").elements.length;
      document.getElementById("result2").innerHTML = x + " " + "element(s) in the form";
    }

    // document.getElementById("result3").innerHTML = "Hello World!";
  </script>
</head>
<body>
  <h1>Mouse Event</h1>
  <p id="result"></p>

  <h1>Number Of Element In Form</h1>
  <form id="myform" action="">
    <input type="text">
    <input type="number">
  </form>
  <button onclick="num()">Click Me</button>
```

```
<p id="result2"></p>

<h1>Message</h1>
<p id="result3"></p>
<script type="text/javascript">
    document.write("Hello World!");
</script>
</body>
</html>
```

Output:-

---

## Mouse Event

Right Mouse Button Was Clicked

## Number Of Element In Form

  

2 element(s) in the form

## Message

Hello World!

5. Write JavaScript code to check mobile number (mobile no. should start with 9 or 8).

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script type="text/javascript">
    function valid() {
      var x = document.getElementById('mobile').value;
      if (x.charAt(0) == 9 || x.charAt(0) == 8) {
        document.getElementById('error').innerHTML = "*Mobile Number should
not start with" + " " + x.charAt(0);
      }
      else {
        document.getElementById('error').innerHTML = "Mobile Number is
valid";
      }
    }
  </script>
</head>
<body>
  <label for="mobile">Mobile Number:</label>
  <input id="mobile" type="tel" maxlength="10">
  <span id="error"></span>
  <br>
  <input type="button" value="Submit" onclick="valid()">
</body>
</html>
```

Output:-

---

Mobile Number:  \*Mobile Number should not start with 9