1. Design A web page using inline and internal Css.

```
<html>
<head>
   <title>practical </title>
   <style>
      body {
         background-color: lightblue;
         text-align: center;
         font-family: Arial, sans-serif;
      }
      h1 {
         color: darkblue;
         padding-top: 20px;
      }
      p {
         color: darkred;
         font-size: 18px;
         font-weight: 500;
      }
   </style>
</head>
<body>

   <h1>Welcome to My Web Page</h1>

   <p style="color: green; font-weight: bold;">This paragraph uses inline CSS.</p>

   <p>This paragraph is styled using internal CSS.</p>

</body>
</html>
```

Output –


Welcome to My Web Page
This paragraph uses inline CSS.
This paragraph is styled using internal CSS.

2. Demonstrate The Use of external Css.

Html code

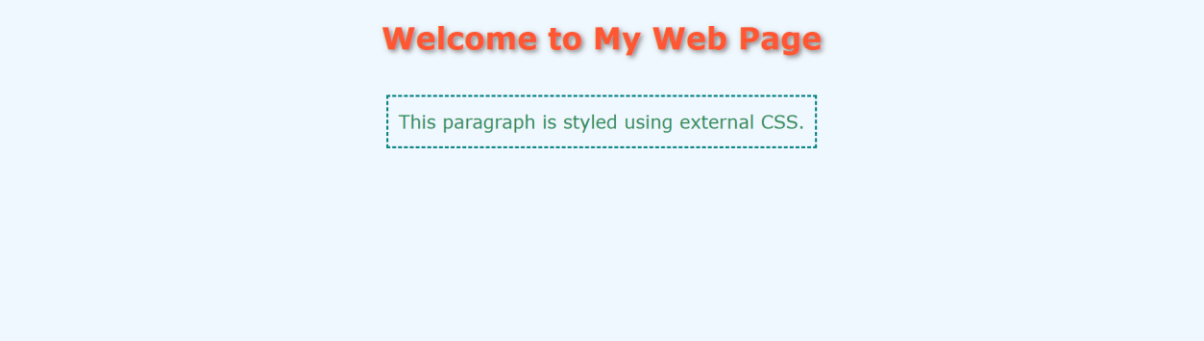
```
<html>
<head>
   <title>External CSS Example</title>
   <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
   <h1>Welcome to My Web Page</h1>
   <p>This paragraph is styled using external CSS.</p>
</body>
</html>
```

Style.css code

```
body {
   background-color: lightblue;
   text-align: center;
   font-family: Arial, sans-serif;
   margin: 20px;
}
h1 {
   color: red;
   font-size: 30px;
   text-shadow: 2px 2px 5px gray;
}
p {
   color: green;
   font-size: 18px;
   line-height: 1.6;
   border: 2px dashed blue;
   padding: 10px;
```

```
    display: inline-block;
}
```

Output –



3. Demonstrate the external css to format your class time table AS you crated.

Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
</head>
<body >
   <h2>G H Raisoni College of Engineering and management, Jalgaon</h2>
   <h3>Department of Computer Application</h3>
   <h4>Class Time Table 2024-2025, Term 2</h4>
<center><table>
   <tr>
      <th>Day/Time</th>
      <th>09:45 AM to 10:45 AM</th>
      <th>10:45 AM to 11:45 AM</th>
      <th>11:45 AM to 12:45 PM</th>
      <th>12:45 PM to 1:45 PM</th>
      <th>1:45 PM to 2:45 PM</th>
      <th>02:45 PM to 03:45 PM</th>
      <th>03:45 AM to 4:45 PM</th>
   </tr>

   <tr>
      <td class="color">Monday</td>
      <td>Sub : RDBMS</td>
      <td>Sub : RM</td>
      <td>Sub : TCS</td>
      <td>Sub : CSS 3</td>
      <td class="no"></td>
      <td> Library   </td>
       <td>Hobby Club</td>
```

```
</tr>

<tr>
   <td class="color">Tuesday</td>
   <td>Sub : RM</td>
   <td>Sub : Node JS</td>
   <td>Sub : TCS</td>
   <td>Sub : RDBMS</td>
   <td class="no"></td>
  <td>Hobby Club</td>
  <td>Hobby Club</td>
<tr>
<td class="color">Wedneday</td>
   <td>Sub : Node Js</td>
   <td>Sub : RM</td>
   <td>Sub : TCS</td>
   <td>Sub : RDBMS</td>
   <td class="no"></td>
   <td>Lab on RDBMS</td>
   <td>Lab on Node JS</td>

<tr>
   <td class="color">Thursady</td>
   <td class="no"></td>
   <td>Sub : TCS</td>
   <td>Sub : RM</td>
   <td>Sub : RDBMS</td>
   <td class="no"><center>Recess</center></td>
   <td>Lab on RDBMS</td>
   <td>Lab on javaScript</td>
```

```
    </tr>
    <tr>
        <td class="color">Friday</td>
        <td class="no"> </td>
        <td>Sub : CSS 3</td>
        <td>Lab on Node JS</td>
        <td>Lab on RDBMS</td>
        <td class="no"></td>
        <td>Lab on javaScript</td>
        <td>Lab on Javascript</td>

    </tr>

    <tr>
        <td class="color">Saturday</td>
        <td>Lab ob javaScript</td>
        <td>Lab on javaScript</td>
        <td>Lab on Node JS/Javascript</td>
        <td>Lab on RDBMS</td>
    </tr>
</table>
    </center>
</body>
</html>
```

Style.css code

```
body{
    text-align: center;
}
table{
    border: 1px solid black;
```

```
}
th{
   background-color: #5c0f8b;
   color: white;
}
.color
{
   background-color: #5c0f8b;
   color: white;
}
td{
   background-color: yellow;
}
.no
{
   background-color: white;
}
```

Output –

G H Raisoni College of Engineering and management, Jalgaon

Department of Computer Application

Class Time Table 2024-2025, Term 2

Day/Time	09:45 AM to 10:45 AM	10:45 AM to 11:45 AM	11:45 AM to 12:45 PM	12:45 PM to 1:45 PM	1:45 PM to 2:45 PM	02:45 PM to 03:45 PM	03:45 AM to 4:45 PM
Monday	Sub : RDBMS	Sub : RM	Sub : TCS	Sub : CSS 3		Library	Hobby Club
Tuesday	Sub : RM	Sub : Node JS	Sub : TCS	Sub : RDBMS		Hobby Club	Hobby Club
Wedneday	Sub : Node Js	Sub : RM	Sub : TCS	Sub : RDBMS		Lab on RDBMS	Lab on Node JS
Thursady		Sub : TCS	Sub : RM	Sub : RDBMS	Recess	Lab on RDBMS	Lab on javaScript
Friday		Sub : CSS 3	Lab on Node JS	Lab on RDBMS		Lab on javaScript	Lab on Javascript
Saturday	Lab ob javaScript	Lab on javaScript	Lab on Node JS/Javascript	Lab on RDBMS			

4. Demonstrate the orderlist and unorderlist in html using css.

Html code

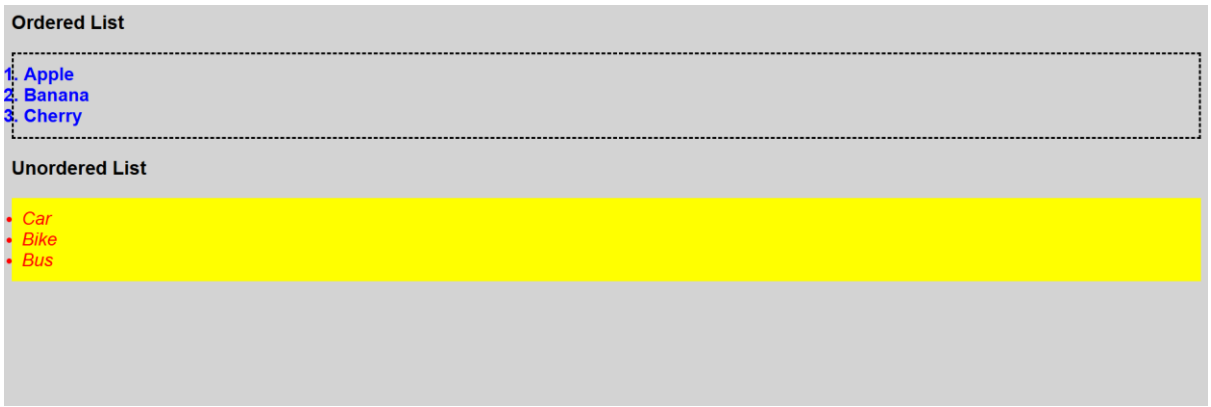
```
<html>
<head>
   <link rel="stylesheet" href="style.css">
   <title>Lists Styling</title>
</head>
<body>
   <h3>Ordered List</h3>
   <ol>
      <li>Apple</li>
      <li>Banana</li>
      <li>Cherry</li>
   </ol>

   <h3>Unordered List</h3>
   <ul>
      <li>Car</li>
      <li>Bike</li>
      <li>Bus</li>
   </ul>
</body>
</html>
```

Style.css code

```
body {
   background-color: lightgray;
   font-family: Arial, sans-serif;

ol {
   color: blue;
```

```
    font-weight: bold;
    font-size: 18px;
    border: 2px dashed black;
    padding: 10px;
}
ul {
    color: red;
    font-style: italic;
    font-size: 18px;
    background-color: yellow;
    padding: 10px;
}
```

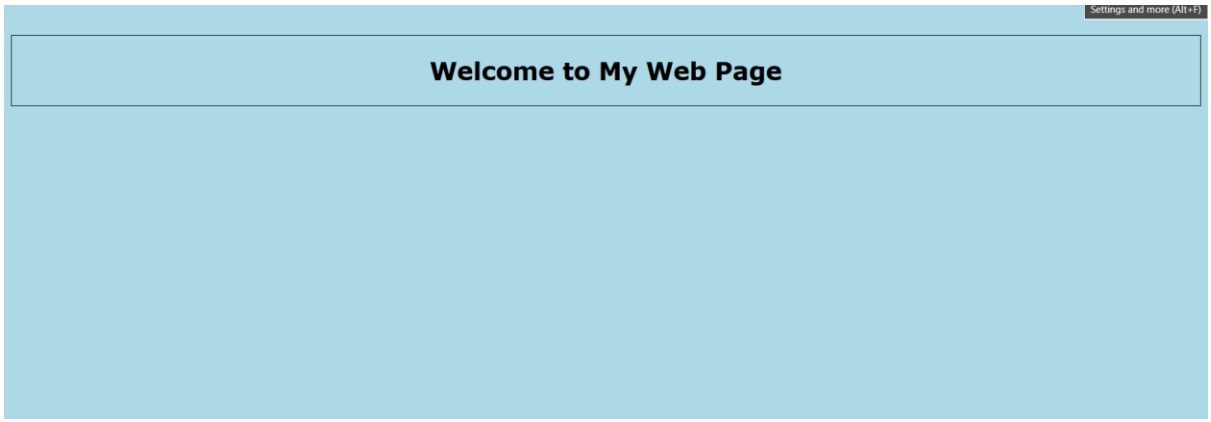
Output –



5. create a webpage to set background colour using css.

```
<html>
<head>
   <style>
      body {
         background-color: lightblue;
         text-align: center;
         margin-top: 30px;
         border: 1px solid black;
         font-family: Verdana, Geneva, Tahoma, sans-serif;
      }
   </style>
</head>
<body>
   <h2>Welcome to My Web Page</h2>
</body>
</html>
```

Output –



6. Create a web page Different background image using CSS.

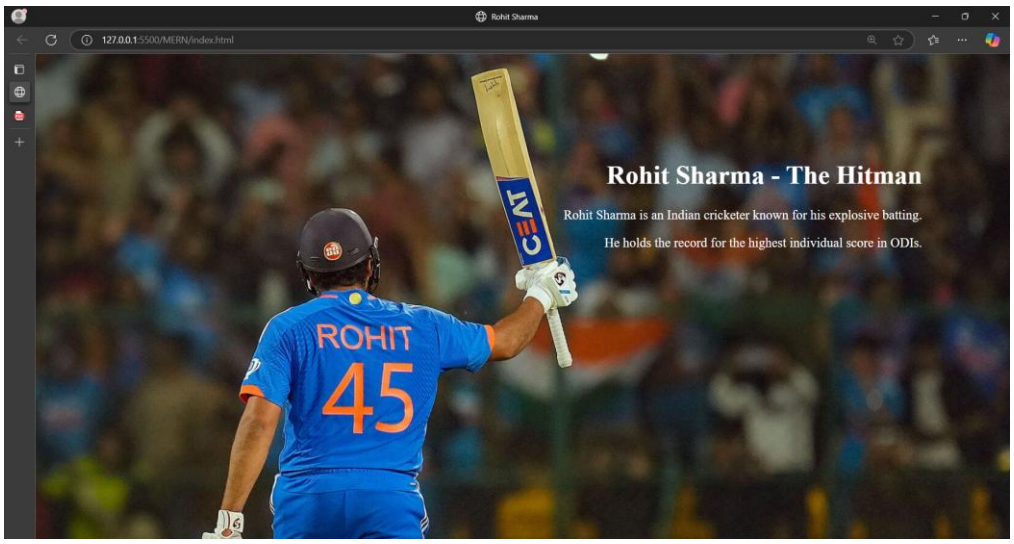
Html code

```
<html>
<head>
   <link rel="stylesheet"  href="styles.css">
</head>
<body>
   <h1>Rohit Sharma - The Hitman</h1>
   <p>Rohit Sharma is an Indian cricketer known for his explosive batting.</p>
   <p>He holds the record for the highest individual score in ODIs.</p>
</body>
</html>
```

Style.css code

```
body {
   background-image: url('wp14193091-rohit-sharma-t20-2024-wallpapers.jpg') ,
   url('image1.jpg'), url('image2.jpg');
   background-size:cover;
   color:white;
   text-align: right;
   padding: 100px;
}
```

Output –



7. Create Web Page to set different font style to each paragraph.

Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <p class="serif">This is a serif font.</p>
   <p class="sans">This is a sans-serif font.</p>
   <p class="cursive">This is a cursive font.</p>
   <p class="fantasy">This is a fantasy font.</p>
   <p class="mono">This is a monospace font.</p>
</body>
</html>
```

Style.css code

```
body{
   text-align: center;
   margin-top: 50px;
}
.serif {
   font-family: serif;
}

.sans {
   font-family: sans-serif;
}
.cursive {
   font-family: cursive;
}
.fantasy {
   font-family: fantasy;
```

```
}
.mono {
   font-family: monospace;
}
```

Output –

8. Demonstrate text formating using CSS.

Html code

```
<html>
<head>
   <link rel="stylesheet"  href="style.css">
</head>
<body>
   <p class="bold">This is bold text.</p>
   <p class="italic">This is italic text.</p>
</body>
</html>
```

Style.css code

```
.bold {
   font-weight: bold;
   text-align: center;
   text-decoration: underline;
}
.italic {
   font-style: italic;
   text-align: center;
   text-shadow: 2px 2px 4px gray;
}
```

Output –

This is bold text.

This is italic text.

9. Divide the page into three equal columns using Frameset tag and fill each frame with a different background colour Using CSS.

```
<html>
<head>
   <title>Frameset Example</title>
</head>
<frameset cols="33.3%,33.3%,33.3%">
   <frame src="header.html" name="frame1">
   <frame src="content.html" name="frame2">
   <frame src="dom.html" name="frame3">
</frameset>
</html>
```

header.html code

```
<html >
<head>
  <style>
    body{
      background-color: red;
    }
  </style>
</head>
<body>
<h1>First</h1>
</body>
</html>
```

content.html code

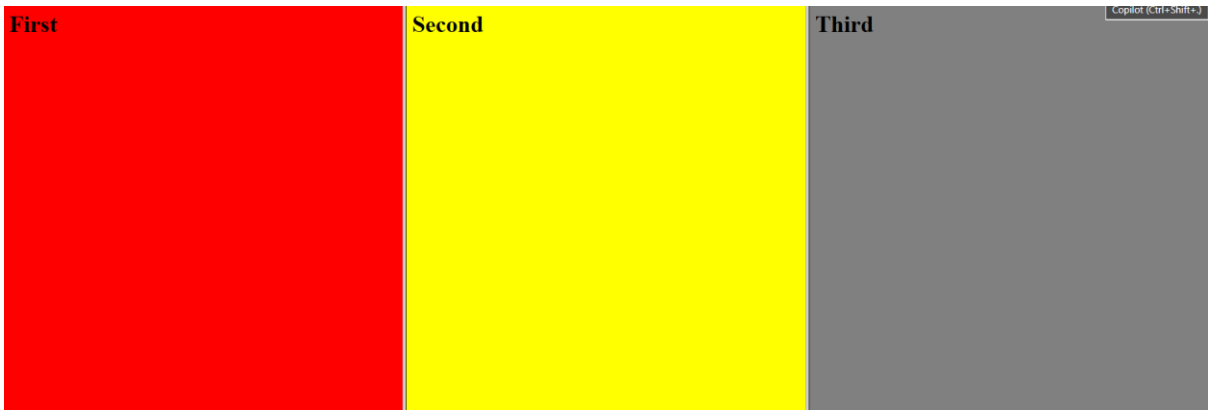
```
<html >
<head>
  <style>
    body{
      background-color: yellow;
```

```
   }
  </style>
</head>
<body>
<h1>Second</h1>
</body>
</html>
```

dom.html code

```
<html >
<head>
  <style>
    body{
      background-color: gray;
    }
  </style>
</head>
<body>
<h1>Third</h1>
</body>
</html>
```

Output –



10. Create a web page using frame. Divide the page into two parts with Navigation links on left hand side of page (width 20%) and content page on right hand side of page (width 80%). On clicking the navigation Links corresponding content must be shown on the right-hand side.

```
<html>
<head>
  <title>Frameset Example</title>
</head>
<frameset cols="20%,80%">
  <frame src="nav.html" name="navFrame">
  <frame src="home.html" name="contentFrame">
</frameset>
</html>
```

nav.html code

```
<html>
<head>
  <title>Navigation</title>
  <style>
    body {
      background-color: lightgray;
      font-family: Arial, sans-serif;
    }
    ul {
      list-style: none;
      padding: 10px;
    }
    li {
      margin: 10px 0;
    }
    a {
      text-decoration: none;
```

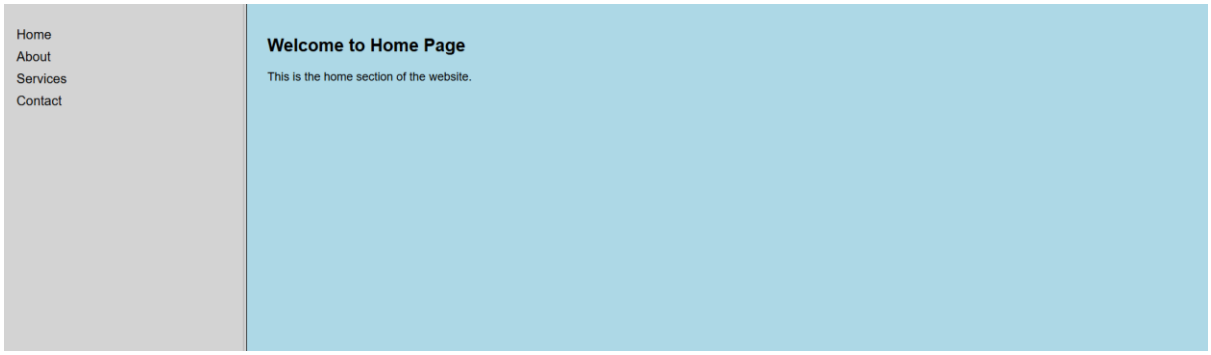
```
        font-size: 18px;
        color: black;
      }
      a:hover {
        color: blue;
      }
    </style>
</head>
<body>
    <ul>
      <li><a href="home.html" target="contentFrame">Home</a></li>
      <li><a href="about.html" target="contentFrame">About</a></li>
      <li><a href="services.html" target="contentFrame">Services</a></li>
      <li><a href="contact.html" target="contentFrame">Contact</a></li>
    </ul>
</body>
</html>
```

home.html code

```
<!DOCTYPE html>
<html>
<head>
    <title>Home</title>
    <style>
      body { background-color: lightblue; font-family: Arial, sans-serif; padding: 20px; }
    </style>
</head>
<body>
    <h2>Welcome to Home Page</h2>
    <p>This is the home section of the website.</p>
</body>
```

</html>

Output –


Home
About
Services
Contact
Welcome to Home Page
This is the home section of the website.

11. Divide the page into three equal rows using frameset tag and fill each frame with the different background color using Css.

```
<html>
<head>
   <title>Three Row Frameset</title>
</head>
<frameset rows="33.3%,33.3%,33.3%">
   <frame src="top.html">
   <frame src="middle.html">
   <frame src="bottom.html">
</frameset>
</html>
```

top.html code

```
<html>
<head>
   <title>Top Frame</title>
   <style>
      body {
         background-color: lightblue;
         text-align: center;
      }
   </style>
</head>
<body>
   <h2>Top Section</h2>
</body>
</html>
```

middle.html code

```
<html>
```

```
<head>
   <title>Middle Frame</title>
   <style>
      body {
         background-color: lightgreen;
         text-align: center;       }
   </style>
</head>
<body>
   <h2>Middle Section</h2>
</body>
</html>
```

bottom.html code

```
<html>
<head>
   <title>Bottom Frame</title>
   <style>
      body {
         background-color: lightcoral;
         text-align: center;
      }
   </style>
</head>
<body>
   <h2>Bottom Section</h2>
</body>
</html>
```

Output –


Top Section
Middle Section
Bottom Section

12. Write A Program to demonstrate id selector in css.

Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
   <title>ID Selector in CSS</title>
</head>
<body>
   <h1 id="heading">This is a Heading</h1>
   <p id="para">1. This is a paragraph with an ID selector.</p>
</body>
</html>
```

Style.css code

```
#heading {
   color: blue;
   text-align: center;
}
#para {
   color: green;
   font-size: 18px;
}
```

Output –

13. Write A program to demonstrate class selector In css.

Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
   <title>Class Selector in CSS</title>
</head>
<body>
   <h1 class="title">This is a Heading</h1>
   <p class="content">This is a paragraph using a class selector.</p>
</body>
</html>
```

Style.css code

```
.title {
   color: red;
   text-align: center;
}
.content {
   color: blue;
   font-size: 18px;
   text-align: center;
   border: 1px dashed black;
}
```

Output –

14. Demonstrate the border radius properties using CSS.

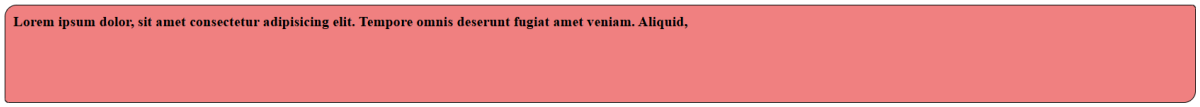
Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <div>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Tempore omnis deserunt fugiat amet veniam. Aliquid,
   </div>
</body>
</html>
```

Style.css code

```
div {
   width: 90%;
   height: 100px;
   background-color:red;
   border-radius: 15px 5px 15px 5px;
   border: 1px solid black;
}
```

Output –



15. Demonstrate the RGBA color Properties Using CSS.

Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <h1 class="redText">I </h1> <hr>
   <h1 class="greenText">Love</h1> <hr>
   <h1 class="blueText">Raisoni </h1> <hr>
</body>
</html>
```

Style.css code

```
body{
   text-align: center;
}
.redText {
   color: rgba(255, 0, 0, 0.7);
}
.greenText {
   color: rgba(0, 255, 0, 0.5);
}
.blueText {
   color: rgba(0, 0, 255, 0.3);
}
```

Output –

I

Love

Raisoni

---

16. Demonstrate the Linear gradient are used to arranged two or more colors in linear formates (Top to Buttom).

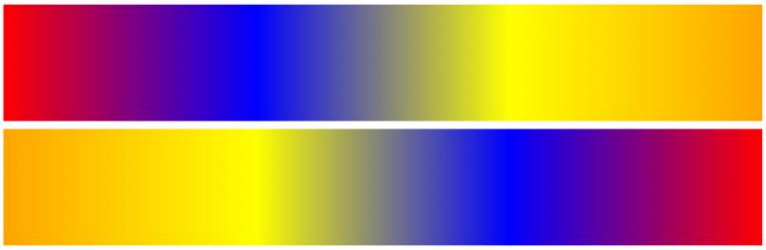
Html code

```
<html>
<head>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <div class="gradientBox">
   </div>
   <div class="gradientBox2">
   </div>
</body>
</html>
```

Style.css code

```
.gradientBox {
   width: 100%;
   height: 150px;
   background: linear-gradient(to right, red, blue, yellow , orange);
}
.gradientBox2{
   margin-top: 10px;
   width: 100%;
   height: 150px;
   background: linear-gradient(to right, orange, yellow, blue , red);
}
```

Output –



17. Demonstrate the repeat radial gradients using css.

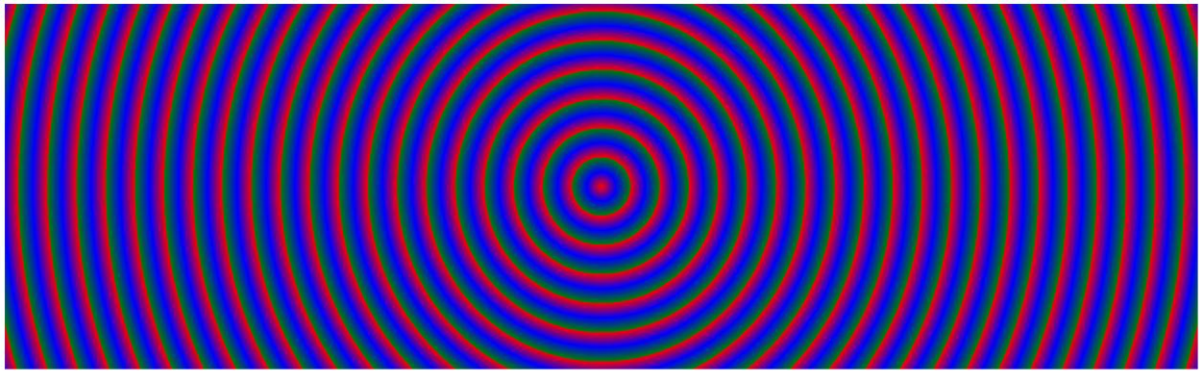
Html code

```
<html>
<head>
   <link rel="stylesheet"  href="style.css">
</head>
<body>
   <div></div>
</body>
</html>
```

Style.css code

```
div{
   width: 100%;
   height: 500px;;
   background: repeating-radial-gradient(circle, red, blue 20px, green 40px);
}
```

Output –



18. Design a webpage using css

Html code

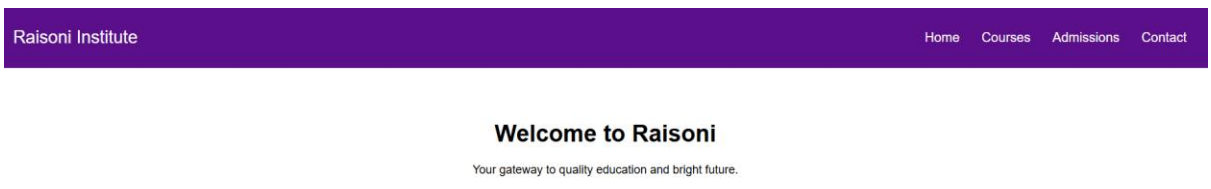
```
<html >
<head>
   <title>Raisoni Institute</title>
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <nav class="navbar">
      <div class="logo">Raisoni Institute</div>
      <ul>
         <li><a href="#">Home</a></li>
         <li><a href="#">Courses</a></li>
         <li><a href="#">Admissions</a></li>
         <li><a href="#">Contact</a></li>
      </ul>
   </nav>
   <header>
      <h1>Welcome to Raisoni</h1>
      <p>Your gateway to quality education and bright future.</p>
   </header>
</body>
</html>
```

Style.css code

```
body {
   font-family: Arial, sans-serif;
   margin: 0;
   padding: 0;
}
.navbar {
   display: flex;
```

```
    justify-content: space-between;
    align-items: center;
    background-color: #5c0f8b;
    padding: 15px;
}
.navbar .logo {
    color: white;
    font-size: 24px;
}
.navbar ul {
    list-style: none;
    display: flex;
}
.navbar ul li {
    margin: 0 15px;
}
.navbar ul li a {
    color: white;
    text-decoration: none;
    font-size: 18px;
}
header {
    text-align: center;
    padding: 50px;
}
```

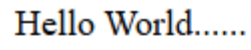
Output –



19. Develop JavaScript Program to print Hello World.

```
<html>
<head>
<title>Document</title>
</head>
<body> >
<script>
document.write("Hello World.....");
</script>
</body>
</html>
```

Output –



20. Develop Javascript Program to Find the Square Root.

```
<html lang="en">

<head>
   <style>
      body {
         text-align: center;
      }

      h1 {
         color: tomato;
         text-decoration: underline;
      }
   </style>
</head>

<body>

   <h1>Square Root of the given Number</h1>
   <input type="number" id="num" placeholder="Enter the Number">
   <button onclick="calculate()">Find</button>
   <p id="result"></p>

   <script>
      function calculate() {
         let num = document.getElementById("num").value;
         document.getElementById("result").innerText = "Square Root :" + Math.sqrt(num);
      }
   </script>
</body>
```

</html>

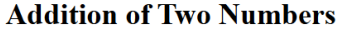
Output –


127.0.0.1:5500/MERN/index.html?
Square Root of the given Number
39
Find
Square Root :6.244997998398398

21. Develop JavaScript Program to Add Two Numbers.

```
<html>
<head>
<title>Addition</title>
<style>
body {
   text-align: center;
}
</style>
</head>
<body>
<h1>Addition of Two Numbers</h1>
<script>
var x=10;
var y=48;
var z=x+y;
document.write(z);
</script>
</body>
</html>
```

Output –

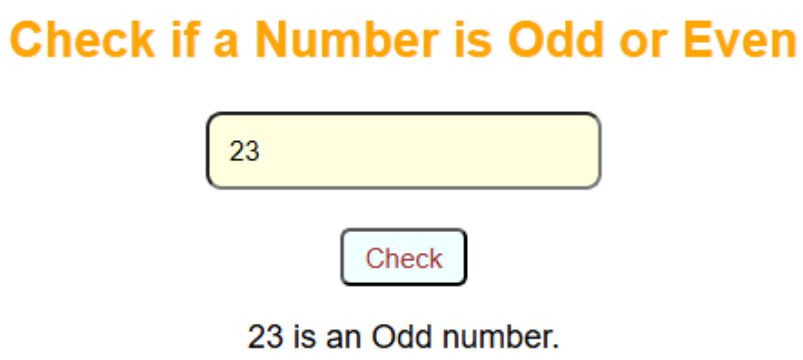


22. Develop Javascript program Program to Check if a Number or Odd or Even.

```
<html>
<head>
  <title>Odd or Even Checker</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin-top: 50px;
    }

    h2 {
      color: orange;
    }

    button{
      color:brown;
      background-color: azure;
      padding: 5px 10px;
      border-radius: 5px;
    }
    input{
      padding: 10px;
      border-radius: 8px;
      background-color: lightyellow;
    }
  </style>
</head>

<body>
  <h2>Check if a Number is Odd or Even</h2>
```

```
    <input type="number" id="numberInput" placeholder="Enter a number">
    <br><br>
    <button onclick="checkNumber()">Check</button>
    <p id="result"></p>
    <script>
        function checkNumber() {
            var num = document.getElementById("numberInput").value;
            if (num === "") {
                alert("Please enter a number");
                return;
            }
            if (num % 2 == 0) {
                document.getElementById("result").innerText = num + " is an Even number.";
            } else {
                document.getElementById("result").innerText = num + " is an Odd number.";
            }
        }
    </script>
</body>
</html>
```

Output :

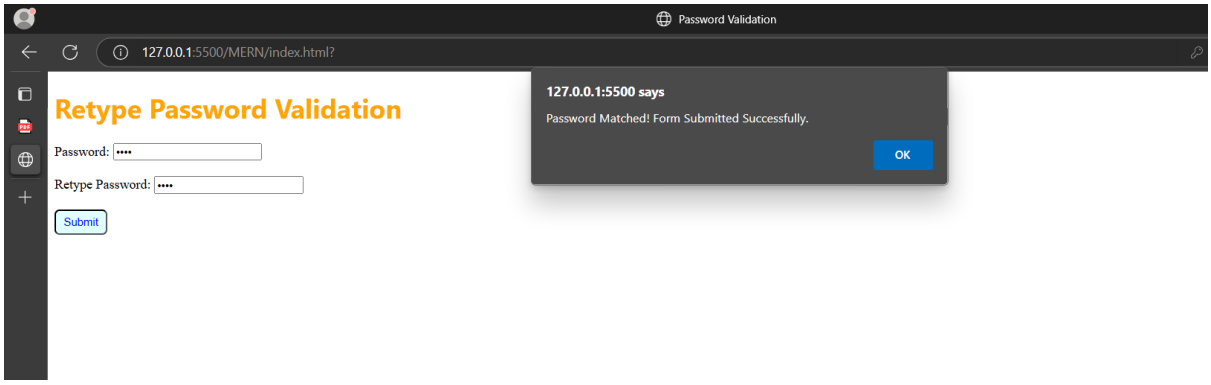


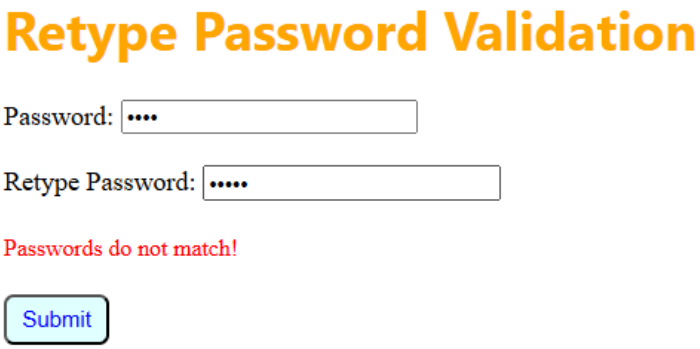
23 . Develop a Javascript Retype Password Validation.

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Password Validation</title>
    <style>

        h1 {
            color: orange;
            font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto,
                Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
        }

        .error {
            color: red;
            font-size: 14px;
        }

        button{
            color: blue;
            background-color: lightcyan;
            padding: 6px 9px;
            border-radius: 6px;
        }
    </style>
</head>

<body>
```

```
    <h1>Retype Password Validation</h1>
    <form onsubmit="return validatePasswords()">
        <label for="password">Password: </label>
        <input type="password" id="password" required>
        <br><br>
        <label for="confirmPassword">Retype Password:</label>
        <input type="password" id="confirmPassword" required>
        <br><br>
        <span id="error-message" class="error"></span>
        <button type="submit">Submit</button>
    </form>
    <script>

        function validatePasswords() {
            var password = document.getElementById("password").value;
            var confirmPassword = document.getElementById("confirmPassword").value;
            var errorMessage = document.getElementById("error-message");
            if (password !== confirmPassword) {
                errorMessage.textContent = "Passwords do not match!";
                return false;
            } else {
                errorMessage.textContent = "";
                alert("Password Matched! Form Submitted Successfully.");
                return true;
            }
        }
    </script>
</body>

</html>
```

Output :

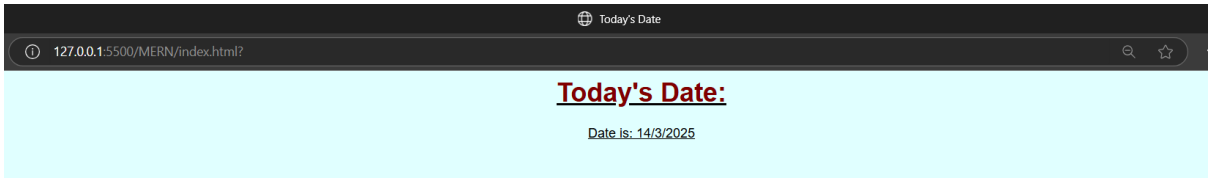

Password Validation
127.0.0.1:5500/MERN/index.html?
Retype Password Validation
Password:
Retype Password:
Submit
127.0.0.1:5500 says
Password Matched! Form Submitted Successfully.
OK


Retype Password Validation
Password:
Retype Password:
Passwords do not match!
Submit

24 . Develop a JavaScript program to display todays Date.

```
<html>
<head>
   <title>Today's Date</title>
   <style>
      body {
         background-color: lightcyan;
         text-align: center;
         font-family: Arial, sans-serif;
         text-decoration: underline;
      }

      h1 {
         color: maroon;
      }
   </style>
</head>
<body>
   <h1>Today's Date:</h1>
   <p id="date"></p>
   <script>
      var date = new Date();
      var day = date.getDate();
      var month = date.getMonth() + 1;
      var year = date.getFullYear();
      document.write("Date is: " + day + "/" + month + "/" + year);
   </script>
</body>
</html>
```

Output :


Today's Date
127.0.0.1:5500/MERN/index.html?
Today's Date:
Date is: 14/3/2025

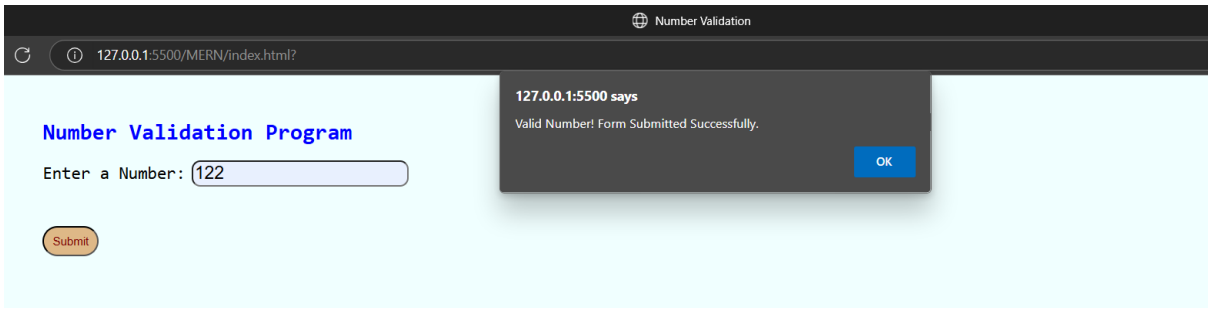
25. Demonstrate the Javascript Number Validation.

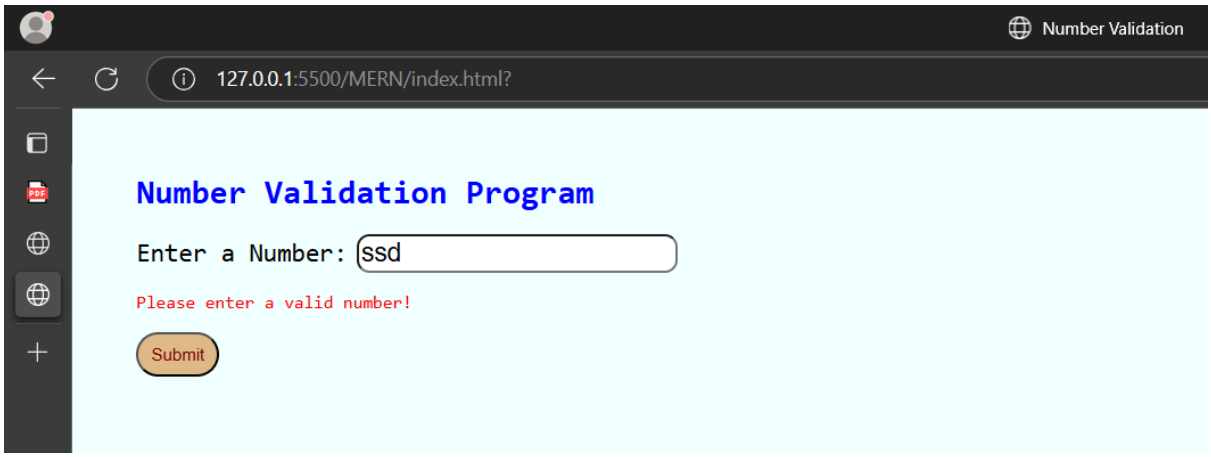
```
<html >
<head>
   <title>Number Validation</title>
   <style>
      body {
         font-family:monospace;
         margin: 50px;
         background-color: azure;
      }

      .error {
         color: red;
         font-size: 14px;
      }

      h1 {
         color: blue;
      }
      label{
         font-size: 20px;
      }
      input{
         font-size: 20px;
         padding: 2px;
         border-radius: 10px;
      }
      button{
         padding: 8px 10px;
         border-radius: 18px;
         background-color: burlywood;
```

```
        color:maroon;
      }
    </style>
</head>

<body>
    <h1>Number Validation Program</h1>
    <form onsubmit="return validateNumber()">
        <label for="numberInput">Enter a Number:</label>
        <input type="text" id="numberInput" required>
        <br><br>
        <span id="error-message" class="error"></span>

        <br><br>
        <button type="submit">Submit</button>
    </form>
    <script>
        function validateNumber() {
            var number = document.getElementById("numberInput").value;
            var errorMessage = document.getElementById("error-message");
            if (number === "" || isNaN(number)) {
                errorMessage.textContent = "Please enter a valid number!";
                return false;
            } else {
                errorMessage.textContent = "";
                alert("Valid Number! Form Submitted Successfully.");
                return true;
            }
        }
    </script>
</body>
```

</html>

Output :


Number Validation
127.0.0.1:5500/MERN/index.html?
127.0.0.1:5500 says
Valid Number! Form Submitted Successfully.
OK
Number Validation Program
Enter a Number: 122
Submit

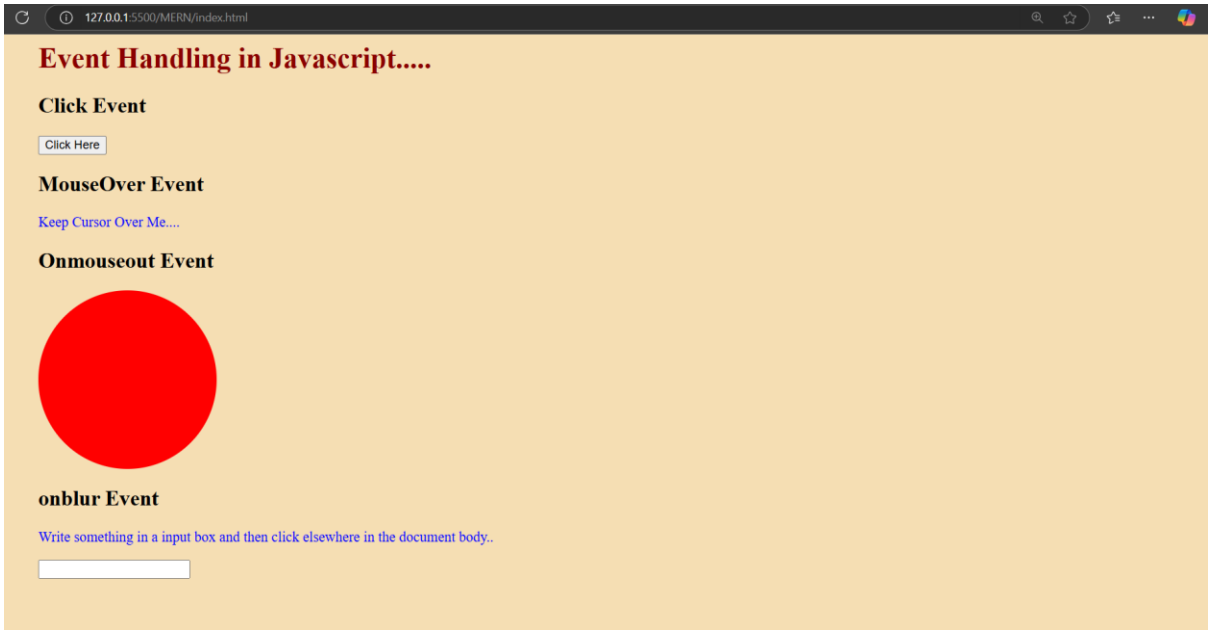

Number Validation
127.0.0.1:5500/MERN/index.html?
Number Validation Program
Enter a Number: ssd
Please enter a valid number!
Submit

26. Write Javascript Code to demonstarte different events.

```
<html>
<head>
   <title>Document</title>
   <style>
      body {
         background-color: wheat;
         margin-left: 40px;
      }

      p {
         color: blue;
      }

      h1 {
         color: darkred;
         border-radius: 18px;
      }
   </style>
</head>

<body>

   <script>
      function clickEvent() {
         document.write("Welcome to Javascript.....");
      }

      function mouseover() {
```

```
        document.write("This is a JavaScript Event");
      }

      function out() {
        document.write("Hello Javascript...");
      }
   </script>

   <form>
      <h1>Event Handling in Javascript.....</h1>
      <h2>Click Event</h2>
      <input type="button" onclick="clickEvent()" value="Click Here">
      <h2>MouseOver Event</h2>
      <p Onmouseover="mouseover()">Keep Cursor Over Me....</p>
      <h2>Onmouseout Event</h2>
      <p onmouseout="out()" style="background-color: red; height: 200px; width : 200px;
border-radius: 50%;"> </p>
   </form>

   <h2>onblur Event</h2>
<p >Write something in a input box and then click elsewhere in the document body..</p>

<input onblur="alert(this.value)">
</body>
</html>
```

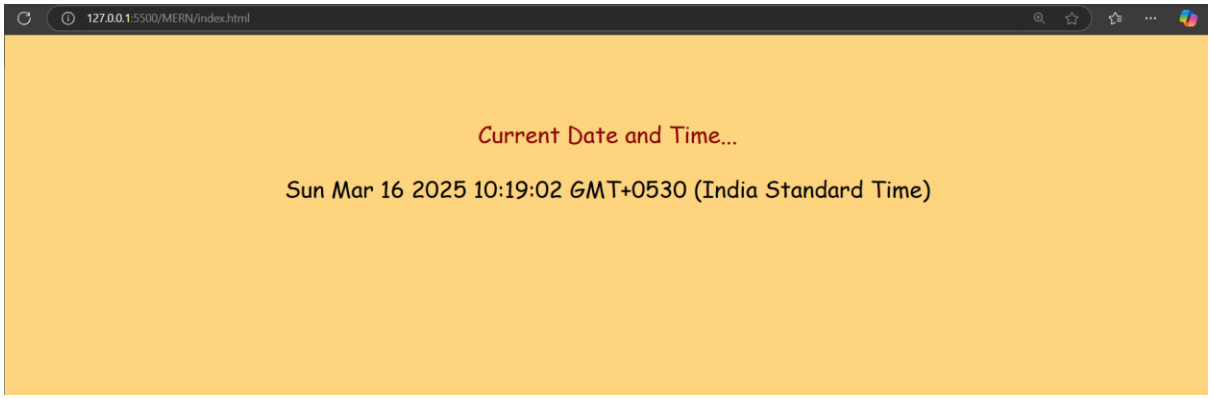
Output :


127.0.0.1:5500/MERN/index.html
Event Handling in Javascript.....
Click Event
Click Here
MouseOver Event
Keep Cursor Over Me....
Onmouseout Event
onblur Event
Write something in a input box and then click elsewhere in the document body..

27. Create a HTML page to demonstrate Date and Time object using JavaScript.

```
<html>
<head>
   <style>
      body {
         padding-top: 50px;
         background-color: rgb(255, 212, 127);
         text-align: center;
         font-family: cursive;
      }

      p {
         color: darkred;
         ;
         text-decoration: double;
      }
   </style>
</head>

<body>
   <p>Current Date and Time...</p>
   <script>
      var today = new Date();
      document.write(today);

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

Output :

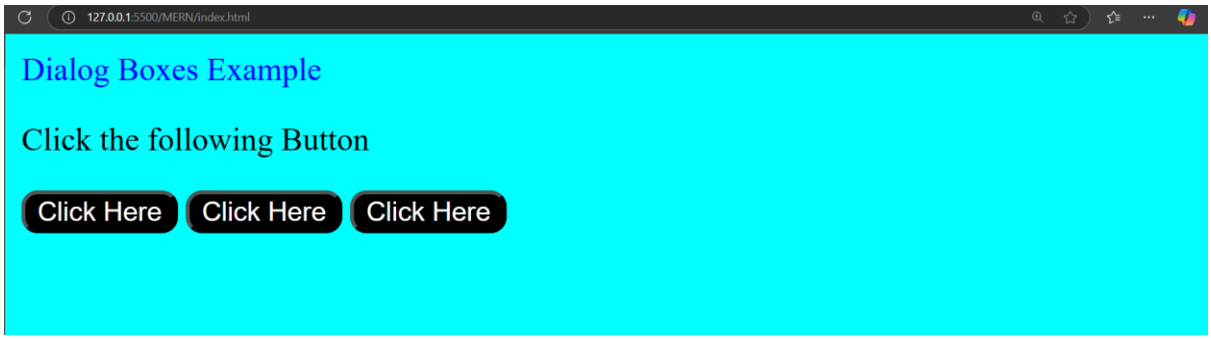

127.0.0.1:5500/MERN/index.html
Current Date and Time...
Sun Mar 16 2025 10:19:02 GMT+0530 (India Standard Time)

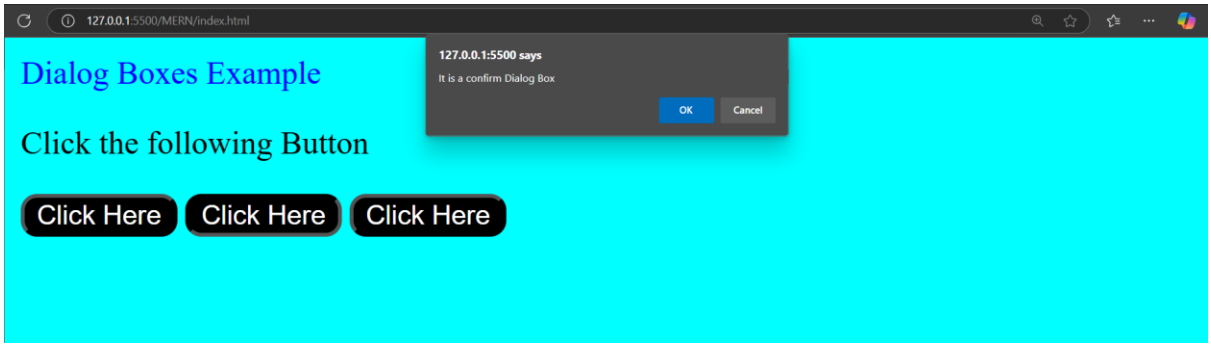
28. Write a Javascript Code to demonstrate use of Dialog Boxes(Alert,Confirm, and Prompt).

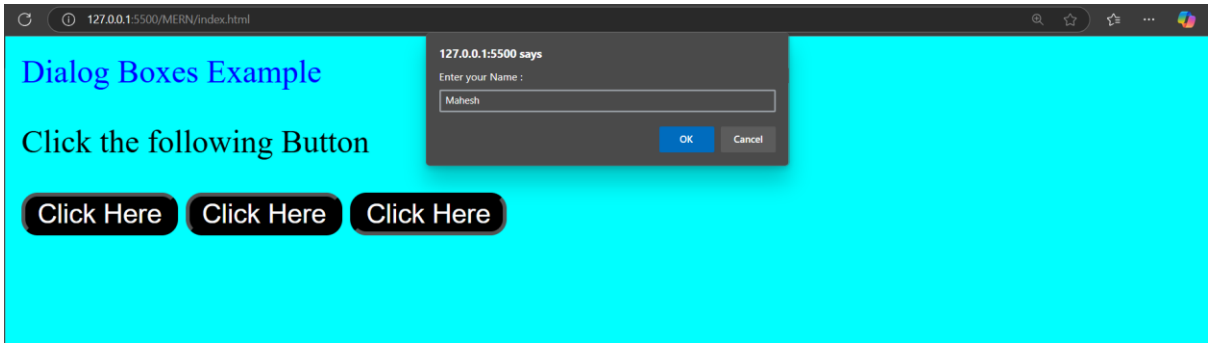
```
<html>
<head>
<style>
   body{
      background-color: aqua;
   }
   input{
      color: white;
      background-color: black;
      border-radius: 8px;
   }
</style>
</head>
<script>
function show()  {
alert("It is an alert Dialog box");  }

function show1()
{
var con = confirm ("It is a confirm Dialog Box");
if(con==true)
{
document.write("User want to continue");
}
else  {
   document.write("User does not want to continue");
}
}
```

```
function show2()
{
   var value=prompt("Enter your Name :","Enter your name");
document.write("Your Name is : "+value);
}


</script>
</head>
<body>
<p style="color:blue">Dialog Boxes Example</p>
<p>Click the following Button</p>
<input type="button" value="Click Here" onClick="show()"/>
<input type="button" value="Click Here" onClick="show1()"/>
<input type="button" value="Click Here" onClick="show2()"/>
</body>
</html>
```

Output :






127.0.0.1:5500/MERN/index.html
Dialog Boxes Example
Click the following Button
Click Here
Click Here
Click Here
127.0.0.1:5500 says
Enter your Name :
Mahesh
OK
Cancel

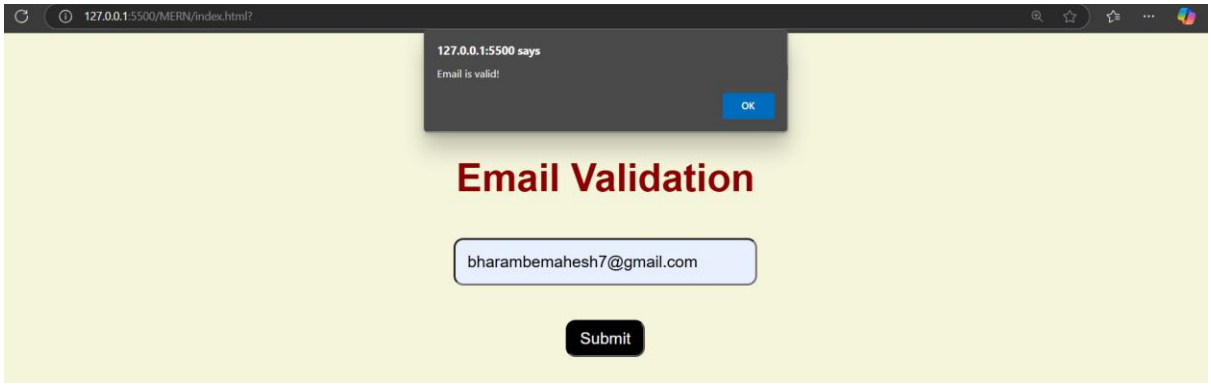
29. Write Javascript code to validate E-mail Id.

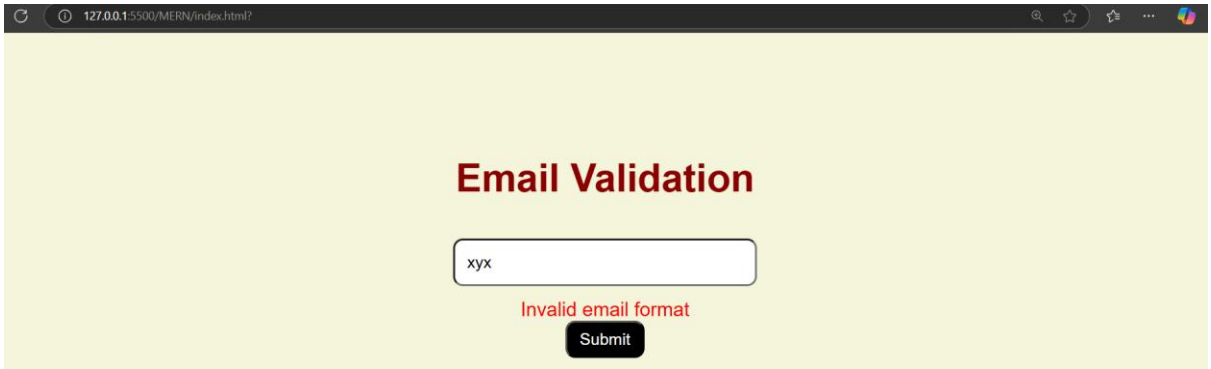
```
<html>
<head>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin-top: 50px;
      background-color: beige;
      text-align: center;
    }

    input {
      padding: 10px;
      margin: 10px;
      width: 250px;
    }

    button {
      padding: 10px;
    }

    .error {
      color: red;
    }

    h1 {
     color: darkred;
    }
    input{
      border-radius: 8px;
    }
```

```
        button{
            padding: 6px 10px;
            color: white;
            background-color: black;
            border-radius: 8px;
        }
    </style>
</head>

<body>
    <h1>Email Validation</h1>
    <form onsubmit="return validateEmail()">
        <input type="text" id="email" placeholder="Enter your email" required>
        <br>
        <span id="error-message" class="error"></span>
        <br>
        <button type="submit">Submit</button>
    </form>
    <script>
        function validateEmail() {
            const email = document.getElementById("email").value;
            const errorMessage = document.getElementById("error-message");
            const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
            if (!emailPattern.test(email)) {
                errorMessage.textContent = "Invalid email format";
                return false;
            }
            errorMessage.textContent = "";
            alert("Email is valid!");
            return true;
        }
```

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

Output :





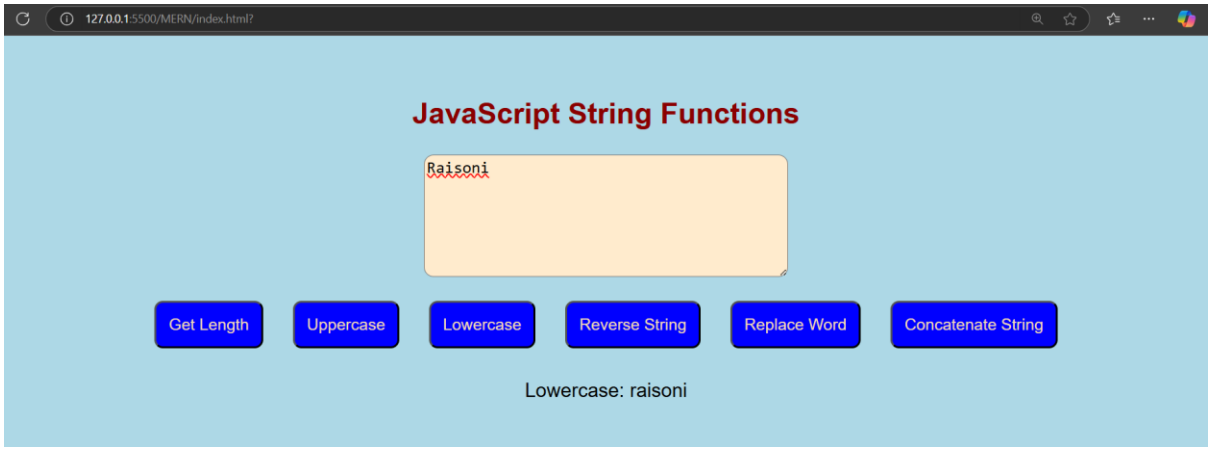
30. Write a JavaScript Program to demonstrate Different String Functions.

```
<html>
<head>
  <title>JavaScript String Functions</title>
  <style>
    Body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin-top: 50px;
      background-color: lightblue;
    }

    input,
    button {
      padding: 10px;
      margin: 10px;
      color: wheat;
      background-color: blue;
      border-radius: 7px;
    }

    textarea {
      width: 300px;
      height: 100px;
      margin-bottom: 10px;
    }

    h2 {
      color: darkred;
    }
    #inputString{
```

```
        border-radius: 8px;
        background-color:blanchedalmond;
    }
  </style>
</head>

<body>
  <h2>JavaScript String Functions</h2>
  <textarea id="inputString" placeholder="Enter a String"></textarea><br>
  <button onclick="getLength()">Get Length</button>
  <button onclick="toUpperCase()">Uppercase</button>
  <button onclick="toLowerCase()">Lowercase</button>
  <button onclick="reverseString()">Reverse String</button>
  <button onclick="replaceWord()">Replace Word</button>
  <button onclick="concatenateString()">Concatenate String</button>

  <p id="result"></p>
  <script>
    function getLength() {
      var str = document.getElementById("inputString").value;
      var length = str.length;
      document.getElementById("result").innerText = "Length of the string: " + length;
    }

    function toUpperCase() {
      var str = document.getElementById("inputString").value;
      var upper = str.toUpperCase();
      document.getElementById("result").innerText = "Uppercase: " + upper;
    }

    function toLowerCase() {
```

```
        var str = document.getElementById("inputString").value;
        var lower = str.toLowerCase();
        document.getElementById("result").innerText = "Lowercase: " + lower;
    }

    function reverseString() {
        var str = document.getElementById("inputString").value;
        var reversed = str.split('').reverse().join('');
        document.getElementById("result").innerText = "Reversed String: " + reversed;
    }

    function replaceWord() {
        var str = document.getElementById("inputString").value;
        var wordToReplace = prompt("Enter the word to replace:");
        var newWord = prompt("Enter the new word:");
        var replacedString = str.replace(wordToReplace, newWord);
        document.getElementById("result").innerText = "String after replacement: " +
            replacedString;
    }

    function concatenateString() {
        var str1 = document.getElementById("inputString").value;
        var str2 = prompt("Enter another string to concatenate:");
        var concatenated = str1.concat(" ", str2);
        document.getElementById("result").innerText = "Concatenated String: " + concatenated;
    }
  </script>

</body>

</html>
```

Output :


127.0.0.1:5500/MERN/index.html?
JavaScript String Functions
Raisoni
Get Length
Uppercase
Lowercase
Reverse String
Replace Word
Concatenate String
Lowercase: raisoni