1.Design a web page using Inline and Internal CSS.

```html
<html>
<head>
<title>Inline and Internal CSS Example</title>
<style> h1 {
color: black;
text-align:
center;
} p { font-size:
16px; line-
height: 1.5;
}
</style>
</head>
<body>
<h1 style="color:purple"; style="font-size: 3em;">Welcome to G H Raisoni Collage,Jalgaon</h1>
<p>The purpose of education is to make good human beings with skill and expertise………Enlightened human beings can be created by teachers.
   -A. P. J. Abdul Kalam. Our meticulously designed education system inculcates compactlearning chapters, experts-led courses, competitive attitude, and sensitivity to tap innovation in the teaching approach, ensuring a comprehensive development of the students `<head>` section.</p>
<div style="background-color: purple; padding: 20px;">
<p style="color: white;">The G H Raisoni College of Engineering & Management, Jalgaon, provides a perfect blend of wisdom and experience to young minds. Our meticulously designed education system inculcates compact-learning chapters, experts-led courses, competitive attitude, and sensitivity to tap innovation in the teaching approach, ensuring a comprehensive development of the students. Moreover, every nook and corner of the
```

premises exhibits our bend towards state-of- art tools, advanced technologies, plethora of meaningful amenities, and finest faculty members. We comprehend the need of preeminence in higher education to build the future of tomorrow.</p>

</div>

</body>

OUTPUT:

Welcome to G H Raisoni Collage,Jalgaon

The purpose of education is to make good human beings with skill and expertise………Enlightened human beings can be created by teachers. -A. P. J. Abdul Kalam. Our meticulously designed education system inculcates compact-learning chapters, experts-led courses, competitive attitude, and sensitivity to tap innovation in the teaching approach, ensuring a comprehensive development of the students `` section.

The G H Raisoni College of Engineering & Management, Jalgaon, provides a perfect blend of wisdom and experience to young minds. Our meticulously designed education system inculcates compact-learning chapters, experts-led courses, competitive attitude, and sensitivity to tap innovation in the teaching approach, ensuring a comprehensive development of the students. Moreover, every nook and corner of the premises exhibits our bend towards state-of- art tools, advanced technologies, plethora of meaningful amenities, and finest faculty members. We comprehend the need of preeminence in higher education to build the future of tomorrow.

2.Demonstrate the use of External CSS.

```html
<html>
<head>
   <title>ExeranlCSS</title>
   <link rel="stylesheet" href="mystyle.css">
</head>
<body>
   <h1>Hello Raisonians</h1>
   <p>Hello Raisonians</p>
</body>
</html>
```

CSS:
```css
body{
   background-color: bisque;
}
h1{
   color: blueviolet;
   margin-left: 20px;
}
```

OUTPUT:

Hello Raisonians

Hello Raisonians

3.Demonstrate External CSS to format your class timetable as you created.

<html>

<head>

  <title>MCA-I Class Timetable</title>

 <link rel="stylesheet" href="timetable.css">

</head>

<body>

<h2>G H Raisoni College of Engineering and Management, Jalgaon</h2>

<hr>

  <h3>Department of Computer Application</h3>

<hr>

  <h4>Class wise Time Table for A.Y 2024-2025 (Term â€" II)</h4>

<hr>

  <h4>Class: MCA-I (Div-A & Div-B)</h4>

<table>

   <tr>

    <th>Day/Time</th>

    <th>09:45 AM - 10:45 AM</th>

    <th>10:45 AM - 11:45 AM</th>

    <th>11:45 AM - 12:45 PM</th>

    <th>12:45 PM - 01:45 PM</th>

    <th>01:45 PM - 02:45 PM</th>

    <th>02:45 PM - 03:45 PM</th>

    <th>03:45 PM - 04:45 PM</th>

   </tr>

```html
<tr>

  <td>Monday</td>

  <td class="subject">RDBMS (SS) <br> B-201</td>

  <td class="subject">RM (PSP) <br> B-201</td>

  <td class="subject">TCS (KN) <br> B-201</td>

 <td class="subject">CSS 3 (RD) <br> B-201</td>

 <th rowspan="7" class="Recess">RECESS</td>

  <td class="lab">LIB</td>

  <td class="lab">LIB</td>

</tr>

<tr>

  <td>Tuesday</td>

  <td class="subject">RM (PSP) <br> B-201</td>

  <td class="subject">Node JS (SA) <br> B-201</td>

  <td class="subject">TCS (KN) <br> B-201</td>

  <td class="subject">RDBMS (SS) <br> B-201</td>

  <td class="lab">Hobby Club</td>

  <td class="lab">Hobby Club</td>

</tr>

<tr>

  <td>Wednesday</td>

  <td class="subject">Node JS (SA) <br> B-201</td>

  <td class="subject">RM (PSP) <br> B-201</td>

  <td class="subject">TCS (KN) <br> B-201</td>

  <td class="subject">RDBMS (SS) <br> B-201</td>
```

```html
        <td class="subject">Lab on Node(A1)/Lab on RDBMS(A2) <br> (SA/SS) B-204L-5/B-411L-6</td>

        <td class="subject">Lab on Node(A1)/Lab on JavaScript(A2) <br> (SS/RD) B-204L-5/B-411L-6</td>

      </tr>

      <tr>

        <td>Thursday</td>

        <td class="subject"></td>

        <td class="subject">TCS (KN) <br> B-201</td>

        <td class="subject">RM (PSP) <br> B-201</td>

        <td class="subject">RDBMS (SS) <br> B-201</td>

        <td class="subject">Lab on RDBMS(A1)/JAVASCRIPT(A2) <br> (SS/RD) B-204L-5/B-411L-6</td>

        <td class="subject">Lab on RDBMS(A1)/JAVASCRIPT(A2) <br> (SS/RD) B-204L-5/B-411L-6</td>

      </tr>

      <tr>

        <td>Friday</td>

        <td class="subject"></td>

        <td class="subject">CSS 3 (RD) <br> B-201</td>

        <td class="subject">Lab on Node(A1)/Lab on RDBMS(A2) <br> (SA/SS) B-204L-5/B-411L-6</td>

        <td class="subject">Lab on Node(A1)/Lab on RDBMS(A2) <br> (SA/SS) B-204L-5/B-411L-6</td>

        <td class="subject">Lab on RDBMS(A1)/JAVASCRIPT(A2) <br> (SS/RD) B-204L-5/B-411L-6</td>

        <td class="subject">Lab on RDBMS(A1)/JAVASCRIPT(A2) <br> (SS/RD) B-204L-5/B-411L-6</td>
```

```html
    </tr>

    <tr>

      <td>Saturday</td>

      <td class="subject">Lab on JavaScript(A1)/Lab on Node(A2) <br> (RD/SA) B-204L-5/(B-411)-L-6</td>

        <td class="subject">Lab on JavaScript(A1)/Lab on Node(A2) <br> (RD/SA) B-204L-5/(B-411)-L-6</td>

         <td class="subject">Lab on JavaScript(A1)/Lab on Node(A2) <br> (RD/SA) B-204L-5/(B-411)-L-6</td>

          <td class="subject">Lab on JavaScript(A1)/Lab on Node(A2) <br> (RD/SA) B-204L-5/(B-411)-L-6</td>

           <td class="lab"></td>

            <td class="lab"></td>

    </tr>

  </table>

</body>

</html>
```

//CSS//
```css
    body {

      font-family: Arial, sans-serif;

      text-align: center;

    }

    table {

      width: 90%;

      margin: auto;

      border-collapse: collapse;

    }
```

```css
th, td {
    border: 1px solid black;
    padding: 10px;
    text-align: center;
}
th {
    background-color: purple;
    color: white;
}
td {
    background-color: purple;
}
.subject {
    background-color: yellow;
}
.break {
    background-color: lightgray;
}
.lab {
    background-color: white;
}
    .Recess {
    background-color: white;
     color:black;
}
```

OUTPUT:

G H Raisoni College of Engineering and Management, Jalgaon

Department of Computer Application

Class wise Time Table for A.Y 2024-2025 (Term – II)

Class: MCA-I (Div-A & Div-B)

Day/Time	09:45 AM - 10:45 AM	10:45 AM - 11:45 AM	11:45 AM - 12:45 PM	12:45 PM - 01:45 PM	01:45 PM - 02:45 PM	02:45 PM - 03:45 PM	03:45 PM - 04:45 PM
Monday	RDBMS (SS) B-201	RM (PSP) B-201	TCS (KN) B-201	CSS 3 (RD) B-201	RECESS	LIB	LIB
Tuesday	RM (PSP) B-201	Node JS (SA) B-201	TCS (KN) B-201	RDBMS (SS) B-201		Hobby Club	Hobby Club
Wednesday	Node JS (SA) B-201	RM (PSP) B-201	TCS (KN) B-201	RDBMS (SS) B-201		Lab on Node(A1)/Lab on RDBMS(A2) (SA/SS) B-204L-5/B-411L-6	Lab on Node(A1)/Lab on JavaScript(A2) (SS/RD) B-204L-5/B-411L-6
Thursday		TCS (KN) B-201	RM (PSP) B-201	RDBMS (SS) B-201		Lab on RDBMS(A1)/JAVASCRIPT(A2) (SS/RD) B-204L-5/B-411L-6	Lab on RDBMS(A1)/JAVASCRIPT(A2) (SS/RD) B-204L-5/B-411L-6
Friday		CSS 3 (RD) B-201	Lab on Node(A1)/Lab on RDBMS(A2) (SA/SS) B-204L-5/B-411L-6	Lab on Node(A1)/Lab on RDBMS(A2) (SA/SS) B-204L-5/B-411L-6		Lab on RDBMS(A1)/JAVASCRIPT(A2) (SS/RD) B-204L-5/B-411L-6	Lab on RDBMS(A1)/JAVASCRIPT(A2) (SS/RD) B-204L-5/B-411L-6
Saturday	Lab on JavaScript(A1)/Lab on Node(A2) (RD/SA) B-204L-5/(B-411)-L-6	Lab on JavaScript(A1)/Lab on Node(A2) (RD/SA) B-204L-5/(B-411)-L-6	Lab on JavaScript(A1)/Lab on Node(A2) (RD/SA) B-204L-5/(B-411)-L-6	Lab on JavaScript(A1)/Lab on Node(A2) (RD/SA) B-204L-5/(B-411)-L-6			

4.Demonstrate the Order list and Unorder list in html using CSS.

```html
<html>
<head>
  <title>Lists</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <h1>Ordered and Unordered Lists</h1>
    <h2>Unordered List</h2>
    <ul class="unordered-list">
      <li>MASTERS IN COMPUTER APPLICATION</li>
      <li>BACHELORS IN COMPUTER APPLICATION</li>
      <li>BACHELORES IN PHARMACY</li>
      <li>DIPLOMA IN PHARMACY</li>
    </ul>
    <h2>Ordered List</h2>
    <ol class="ordered-list">
      <li>MCA</li>
      <li>BCA</li>
      <li>BPHARM</li>
      <li>DPHARM</li>
    </ol>
  </div>
</body>
</html>
```

```css
//css//
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f4;
  padding: 20px;
}
.container {
  max-width: 600px;
  margin: 0 auto;
  padding: 20px;
  background-color: white;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h1 {
  text-align: center;
  color: #333;
  margin-bottom: 20px;
}
h2 {
  margin-top: 20px;
  color: #4CAF50;
```

```css
  }
ul, ol {
  margin: 20px 0;
  padding: 0;
  list-style-position: inside;
}
ul {
  list-style-type: square;
  color: black;
}
ol {
  list-style-type: decimal;
  color: black;
}
ul li, ol li {
  margin: 10px 0;
  font-size: 18px;
}
```

OUTPUT:

Ordered and Unordered Lists

Unordered List

- MASTERS IN COMPUTER APPLICATION
- BACHELORS IN COMPUTER APPLICATION
- BACHELORES IN PHARMACY
- DIPLOMA IN PHARMACY

Ordered List

1. MCA
2. BCA
3. BPHARM
4. DPHARM

5.Create web page to set background color using CSS.

```html
<html>
<head>
   <title>Background Color CSS</title>
   <link rel="stylesheet" href="mystyle.css">
</head>
<body>
   <h1>Hello!! Raisonians...</h1>
   <p>Hello!! Raisonians...</p>
</body>
</html>
```

```css
CSS: body{    background-color: bisque; } h1{    color: rgb(132, 16, 240);    margin-left: 20px;
}
```

OUTPUT:

6.Create a Webpage different backgroung images using CSS.

```html
<html>

<head>

   <title>G H Raisoni College,Jalgaon</title>

   <style>

      body {

         margin: 0;

         height: 100vh;

         background-image: url('clg.png');

         background-size: cover;

         background-position: center;

         color: white;

         font-family: Arial, sans-serif;

      }

      .content {

         text-align: center;

         padding: 50px;

         text-shadow: 3px 3px 8px rgba(0, 0, 0, 0.6);

      }

      h1 {

         font-size: 5em;

         margin-bottom: 20px;

         color: blueviolet;
```

```
      text-shadow: 3px 3px 8px rgb(255, 255, 255);

    }

    p {

      font-size: 1.2em;

      line-height: 1.6;

    }

  </style>

</head>

<body>

  <div class="content">

    <h1>G H Raisoni College</h1>

    <p>G H Raisoni College of Engineering & Business Management is one of the leading
educational institutions in India, offering quality education in various fields of engineering
and technology. The college is committed to providing a conducive environment for students
to thrive and excel.</p>

    <p>Founded with a vision to create skilled professionals, G H Raisoni College equips
students with both theoretical knowledge and practical experience to face the challenges of the
industry.</p>

  </div>

</body>

</html>
```

OUTPUT:

7. Create web page to set different font style to each paragraph.

```html
<html>

<head>

    <title>Font Style</title>

    <style>

        .p1{font-family: "Times New Roman", Times, serif; }

        .p2{font-family: "Arial", Helvetica, sans-serif; }

        .p3{font-family: "Lucida Sans";}

</style>

</head>

<body>

    <h1>CSS FONT-FAMILY</h1>

    <p class="p1">G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON</p> <br>

<p class="p2"> G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON</p> <br>

 <p class="p1"> G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON</p>

</body>

</html>
```

OUTPUT:

CSS FONT-FAMILY

G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON

G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON

G H RAISONI INSTITUDE OF ENGINEERING AND BUSINESS MANAGEMENT,JALGAON

8.Demonstrate Text Formatting using CSS.

```html
<html>
<head>
<style>{font-size: 32px;}
.color{color.purpLe; }
 .text-align{  text-align:center; }
.text-decoration{text-decoration: underline;}
.text-indent{text-indent: 20px; }
.text-shadow{text-shadow: 3px 6px 2px rgba(0,0,0, .3);}
.text-transform{text-transform: uppercase;}
.letter-spacing{ letter-spacing: .9em;}
.capitalize {text-transform: capitalize;}
p.small {line height: 0.7;}
p.big {line-height: 1.8;}
</style>
</head>
<body>
<p class="color">color: purple;</p>
<p class="text-align">text-align: center;</p>
<p class="text-decoration">text-decoration: underline;</p>
<p class="test-indent">test-indent: 20px</p>
<p class="text-shadow">text-shadow:3px 6px 2px rgba(0,0,0,.3);</p>
<p class="text-transform">text-transform: uppercase;</p>
<p class="letter-spacing">letter-spacing: .9em;</p>
<p class="word-spacing">word-spacing: .25;</p>
<p class="text-transform">text-transform: capitalize;</p>
<p class="small">This is a paragraph with a smaller line-height.<br>
```

This is a paragraph with a smaller line-height.
 </p>

<p class="big">This is a paragraph with a bigger line-height.

This is a paragraph with a bigger line-height.
</p>

</body>

</html>

OUTPUT:

color: purple;

<div align="center">text-align: center;</div>

text-decoration: underline;

test-indent: 20px

text-shadow:3px 6px 2px rgba(0,0,0,.3);

TEXT-TRANSFORM: UPPERCASE;

l e t t e r - s p a c i n g :   . 9 e m ;

word-spacing: .25;

TEXT-TRANSFORM: CAPITALIZE;

This is a paragraph with a smaller line-height.
This is a paragraph with a smaller line-height.

This is a paragraph with a bigger line-height.

This is a paragraph with a bigger line-height.

9.Divide the page onto three equal columns using Frameset tag and fill each frame with a different backgroung color using CS.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Three Equal Columns with Frameset</title>

</head>

<frameset cols="33.33%, 33.33%, 33.33%">

  <frame src="frame1.html" name="frame1">

  <frame src="frame2.html" name="frame2">

  <frame src="frame3.html" name="frame3">

</frameset>

</html>
```

Frame1:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Frame 1</title>

  <style>

    body {

      margin: 0;

      background-color: lightcoral; /* Background color for Frame 1 */

    }
```

```html
    </style>
</head>
<body>
    <h1>Frame 1</h1>
    <p>This is the first frame with a light coral background.</p>
</body>
</html>
```

Frame2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Frame 2</title>
    <style>
        body {
            margin: 0;
            background-color: lightblue; /* Background color for Frame 2 * }
    </style>
</head>
<body>
    <h1>Frame 2</h1>
    <p>This is the second frame with a light blue background.</p>
</body>
</html>
```
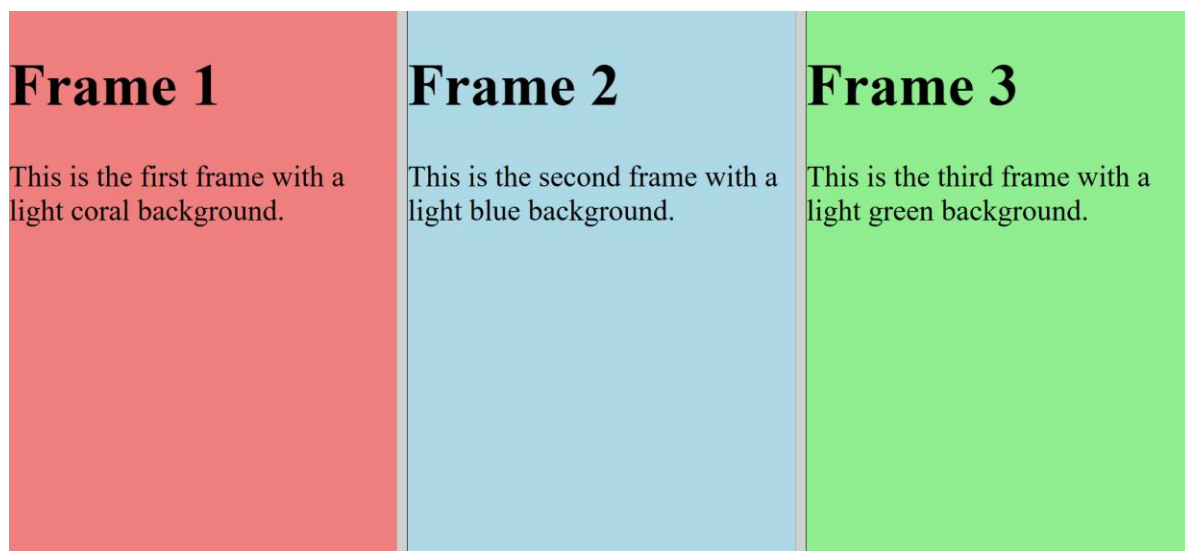
Frame3:

```html
<!DOCTYPE html>
```

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Frame 3</title>
    <style>
        body {
            margin: 0;
            background-color: lightgreen; /* Background color for Frame 3 */
        }
    </style>
</head>
<body>
    <h1>Frame 3</h1>
    <p>This is the third frame with a light green background.</p>
</body>
</html>
```

OUTPUT:

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

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Two-Part Layout</title>
    <style>
        body {
            display: flex;
            margin: 0;
            font-family: Arial, sans-serif;}
        #nav {
            width: 20%;
            background-color: #9e88e2;
            padding: 20px;
            box-shadow: 2px 0 5px rgba(0,0,0,0.1);}
        #content {
            width: 80%;
            padding: 20px; }
        a {
            display: block;
            margin: 10px 0;
            text-decoration: none;
```

```html
      color: #333; }
    a:hover { color: #f1f4f7;}
  </style>
</head>
<body>
  <div id="nav">
    <h2>Navigation</h2>
    <a href="#" onclick="showContent('home')">Home</a>
    <a href="#" onclick="showContent('about')">About</a>
    <a href="#" onclick="showContent('services')">Services</a>
    <a href="#" onclick="showContent('contact')">Contact</a>  </div>
  <div id="content">
    <h2>Welcome</h2>
    <p>Select a link from the navigation to see the content.</p></div>
  <script>
    function showContent(page) {
      const contentDiv = document.getElementById('content');
      let content = '';
      switch(page) {
        case 'home':content = '<h2>Home</h2><p>This is the home page content.</p>';
          break;
        case 'about':content = '<h2>About</h2><p>This is the about page content.</p>';
          break;
        case 'services':
          content = '<h2>Services</h2><p>This is the services page content.</p>';
          break;
```

```
        case 'contact': content = '<h2>Contact</h2><p>This is the contact page
content.</p>';
            break;
        default:
            content = '<h2>Welcome</h2><p>Select a link from the navigation to see the
content.</p>';}
        contentDiv.innerHTML = content;}
    </script>
</body>
</html>
```

OUTPUT:

Navigation

Home
About
Services
Contact

Welcome

Select a link from the navigation to see the content.

Navigation

Home
About
Services
Contact

Services

This is the services page content.

11.Divide the page into three rqual Rows using Frameset tag and fill each frame with a different background color using CSS.

```html
<html>
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Three Equal Rows with Frameset</title>
</head>
<frameset rows="33.33%, 33.33%, 33.33%">
   <frame src="frame1.html" name="frame1" style="background-color: lightcoral;">
   <frame src="frame2.html" name="frame2" style="background-color: lightblue;">
   <frame src="frame3.html" name="frame3" style="background-color: lightgreen;">
</frameset>
</html>
```

OUTPUT:

This is frame 1.....

This is frame 2....

This is frame 3.......

12.Write a program to demonstrate ID Selector in CSS.

<html>

<head>

<title>ID Selector in CSS</title>

<style>

   #special-text   { color: white;

background-color: darkblue;   fontsize:20px;

padding: 10px;   textalign:center;

border-radius:5px;}

</style>

</head>

<body>

   <h1>CSS ID Selector Example</h1>

   <p>This is a G H RAISONI, JALGAON WEBSITE</p>

   <p ID="special-text">This paragraph is styled using an ID selector</p>

</body>

</html>

OUTPUT:

CSS ID Selector Example

This is a G H RAISONI, JALGAON WEBSITE

This paragraph is styled using an ID selector

13. Write a program to demonstrate Class Selector in CSS.

```html
<html>

<head>

<style> .intro{    background-color:

yellow;}  </style>

</head>

<body>

   <h1>Class Selector</h1>

   <div class="intro">

      <p>My college name is GHRIEBM</p>

      <P>JALGAON</P>

   </div>

   <P>AUTONOMOUS COLLEGE</P>

   <p class="intro">AUTONOMOUS COLLEGE</p>

</body>

</html>
```

OUTPUT:

Class Selector
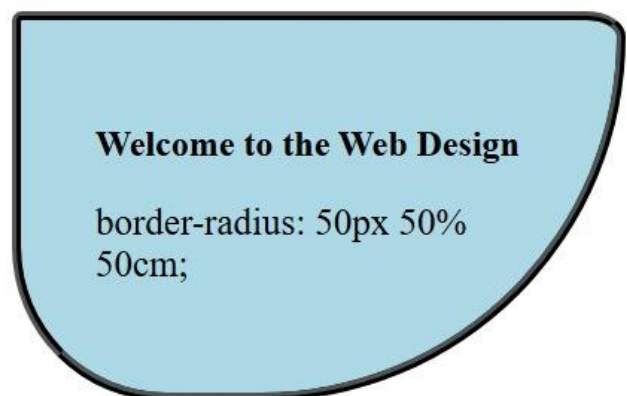
My college name is GHRIEBM

JALGAON

AUTONOMOUS COLLEGE

AUTONOMOUS COLLEGE

14.Demonstrate the border radius property using CSS.

```html
<html>
   <head>
      <title>CSS border-radius</title>
      <style>
         div{
            padding:50px;
            margin:20px;
            border:6px ridge black;
            width: 300px;
            float: left;
            height: 150px;
         }
         p{
            font-size:25px;
         }
         #one{
            border-radius: 90px;
            background: rgb(41, 185, 208);
         }
         #two{
            border-radius: 25% 10%;
            background: rgb(220, 61, 245);
         }
         #three{
            border-radius: 35px 10em 10%;
            background: rgb(93, 105, 227);
         }
         #four{
            border-radius: 50px 50% 50cm 50em;
            background: lightblue;
         }
         </style>
         </head>
         <body>
            <div id = "one">
               <h2>Welcome to the Web Design</h2>
               <p>border-radius: 90px;</p>
               </div>
               <div id = "two">
```

```
<h2>Welcome to the Web Design</h2>
<p>border-radius: 25% 10%;</p>
</div>
<div id = "three">
   <h2>Welcome to the Web Design</h2>
   <p>border-radius: 35px 10em 10%;</p>
   </div>
   <div id = "four">
      <h2>Welcome to the Web Design</h2>
      <p>border-radius: 50px 50% 50cm;</p>
      </div>
</body>
</html>
```

OUTPUT:

15.Demonstrate the RGBA colors property using CSS.

```html
<html><head><style>

#p1 {background-color:rgba(255,0,0,0.3);}

#p2 {background-color:rgba(0,255,0,0.3);}

#p3 {background-color:rgba(0,0,255,0.3);}

#p4 {background-color:rgba(192,192,192,0.3);}

#p5 {background-color:rgba(255,255,0,0.3);}

#p6 {background-color:rgba(255,0,255,0.3);}

</style></head><body>

<h1>Define Color With RGBA Values</h1>

<p id="p1">red</p>

<p id="p2">green</p>

<p id="p3">blue</p>

<p id="p4">grey</p>

<p id="p5">yellow</p>

<p id="p6">Cerise</p>

</body></html>
```
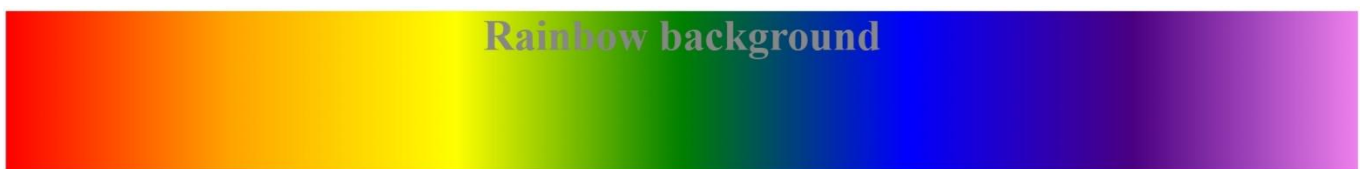
OUTPUT:

Define Color With RGBA Values

red

green

blue

grey

Cerise

16.Demonstrate the Linear gradients are used to arrange two or more colors in linear formats(Top to Bottom)

```html
<html>
   <head>
     <style>
       #grad1 {
          height: 150px;
          background-color: red;
          background-image: linear-gradient(to right, red, orange, yellow,green, blue, indigo,violet);
       }
       #grad2 {
          height: 200px;
          background-color: red;
          background-image: linear-gradient(red, orange,yellow,green,blue,indigo, violet);
           } }
     </style>
   </head>
   <body>
     <div id="grad1" style="text-align: center;margin: auto;color: #888888;font-size: 40px;font-weight: bold">
        Rainbow background
     </div>
     <h2>color stops (evenly spaced):</h2>
     <div id="grad2"></div>
   </body>
</html>
```

OUTPUT:

color stops (evenly spaced):

17.Demonstrate the repeat radial gradients using CSS.

```html
<html>
   <title> repeating-radial-gradient</title>
   <style>
     .gradient-10{
        height:100px;
        background:repeating-linear-gradient(45deg, rgba(64, 64, 64, 0.52) 5%,
rgba(221,221,221, 0.49) 10%),repeating-linear-gradient(-45deg,rgba(64, 64, 64, 0.52) 5%,
rgba(221,221,221, 0.49) 10%)


     }

   </style>
   <style>
     div{
        background: repeating-radial-gradient(closest-side at 25px 35px, yellow 15%, red
40%);
        background-size:60px 60px;
        height: 200px; }
   </style>
   <body>
     <h2> Multiple Gradient with two linear gradients.</h2>
     <div class="gradient-10"></div>
     <h2> patterns with gradients</h2>
     <div></div>
   </body>
</html>
```

OUTPUT:

18.Design a Webpage using CSS.

```html
<html>

<head>

    <title>G H Raisoni College,Jalgaon</title>

    <style>

        body {

            margin: 0;

            height: 100vh;

            background-image: url('clg.png');

            background-size: cover;

            background-position: center;

            color: white;

            font-family: Arial, sans-serif;

        }

        .content {

            text-align: center;

            padding: 50px;

            text-shadow: 3px 3px 8px rgba(0, 0, 0, 0.6);

        }

        h1 {

            font-size: 5em;

            margin-bottom: 20px;

            color: blueviolet;

            text-shadow: 3px 3px 8px rgb(255, 255, 255);
```

```
        }
        p {
            font-size: 1.2em;
            line-height: 1.6;
        }
    </style>
</head>
<body>
    <div class="content">
        <h1>G H Raisoni College</h1>
        <p>G H Raisoni College of Engineering & Business Management is one of the leading
educational institutions in India, offering quality education in various fields of engineering
and technology. The college is committed to providing a conducive environment for students
to thrive and excel.</p>
        <p>Founded with a vision to create skilled professionals, G H Raisoni College equips
students with both theoretical knowledge and practical experience to face the challenges of the
industry.</p>
    </div>
</body>
</html>
```

OUTPUT:

G H Raisoni College

G H Raisoni College of Engineering & Business Management is one of the leading educational institutions in India, offering quality education in various fields of engineering and technology. The college is committed to providing a conducive environment for students to thrive and excel.

Founded with a vision to create skilled professionals, G H Raisoni College equips students with both theoretical knowledge and practical experience to face the challenges of the industry.

19.Develop JavaScript Program to Print Hello World

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

OUTPUT:

hello world

20.Develop JavaScript Program to Find the Square Root

```html
<html>
<head>
  <title>Simple Square Root Program</title>
</head>
<body>
  <h1>Square Root Program</h1>
  <p>Number: 25</p>
  <p id="result"></p>
  <script>
    var number = 25;
    var squareRoot = Math.sqrt(number);
    document.getElementById('result').innerText = "The square root of " + number + " is " + squareRoot;
  </script>
</body>
</html>
```

OUTPUT:

Square Root Program

Number: 25

The square root of 25 is 5

21.Develop JavaScript Program to Add Two Numbers

```html
<html>
<head> <title>Simple Addition</title></head>
<body>
   <h1>Simple Addition</h1>
   <label for="num1">Enter first number:</label>
   <input type="number" id="num1"><br><br>
   <label for="num2">Enter second number:</label>
   <input type="number" id="num2"><br><br>
   <button onclick="addNumbers()">Add</button>
   <p id="result"></p>
   <script>
      function addNumbers() {
         var num1 = parseFloat(document.getElementById('num1').value);
         var num2 = parseFloat(document.getElementById('num2').value);
         var sum = num1 + num2;
         document.getElementById('result').innerText = "The sum is: " + sum;}
   </script></body>
</html>
```

OUTPUT:

Simple Addition

Enter first number: 2

Enter second number: 2

Add

The sum is: 4

22.Develop JavaScript Program to Check if a Number is Odd or Even

<html>

<head> <title>Odd or Even Checker</title></head>

<body>

   <h1>Check if a Number is Odd or Even</h1>

   <label for="number">Enter a number:</label>

   <input type="number" id="number" placeholder="Enter a number">

   <button onclick="checkOddOrEven()">Check</button>

   <p id="result"></p>

   <script>

      function checkOddOrEven() {var number = document.getElementById('number').value;

number = Number(number);if (isNaN(number)) {

document.getElementById('result').innerText = "Please enter a valid number.";

} else {

if (number % 2 === 0) {document.getElementById('result').innerText = number + " is an Even number.";

} else {

document.getElementById('result').innerText = number + " is an Odd number.";

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

OUTPUT:

Check if a Number is Odd or Even

Enter a number: 5

Check

5 is an Odd number.

23.develop a javaScript retype password validation

```html
<!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>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            margin: 50px;
        }
        input {
            padding: 10px;
            margin: 5px;
            width: 250px;
        }
        #message {
            margin-top: 10px;
            font-weight: bold;
        }
    </style>
    <script>
        function validatePassword() {
            let password = document.getElementById("password").value;
```

```
        let confirmPassword = document.getElementById("confirmPassword").value;

        let message = document.getElementById("message");


        if (password === confirmPassword) {
            message.style.color = "green";

            message.innerHTML = "Passwords match!";

        } else {
            message.style.color = "red";

            message.innerHTML = "Passwords do not match!";

        }
    }
    </script>
</head>
<body>
    <h2>Password Validation</h2>
    <form>
        <input type="password" id="password" placeholder="Enter Password" required><br>
        <input type="password" id="confirmPassword" placeholder="Retype Password"
onkeyup="validatePassword()" required><br>
        <span id="message"></span><br>
        <button type="submit">Submit</button>
    </form>
</body>
</html>
```

output:

Password Validation

Passwords match!

Submit

24. develop a javascript todays date

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Today's Date</title>
    <script>
        function displayDate() {
            let today = new Date();
            let dateString = today.toDateString(); // Format: Day Mon Date Year
            document.getElementById("date").innerHTML = "Today's Date: " + dateString;
        }
    </script>
</head>
<body onload="displayDate()">
    <h2 id="date"></h2>
</body>
</html>
```
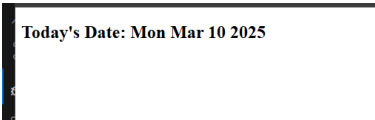
Today's Date: Mon Mar 10 2025

Output:

25.develop a javascript number validation

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Number Validation</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
            margin: 50px;
        }
        input {
            padding: 10px;
            margin: 5px;
            width: 250px;
        }
        #message {
            margin-top: 10px;
            font-weight: bold;
        }
    </style>
    <script>
        function validateNumber() {
            let numberInput = document.getElementById("number").value;
```

```
        let message = document.getElementById("message");


        if (!isNaN(numberInput) && numberInput.trim() !== "") {

            message.style.color = "green";

            message.innerHTML = "Valid number!";

        } else {

            message.style.color = "red";

            message.innerHTML = "Invalid number! Please enter a valid number.";

        }

    }

    </script>

</head>

<body>

    <h2>Number Validation</h2>

    <form>

        <input type="text" id="number" placeholder="Enter a number"
onkeyup="validateNumber()" required><br>

        <span id="message"></span><br>

        <button type="submit">Submit</button>

    </form>

</body>

</html>
```

Output:

26.Write JavaScript code to demonstrate different events.

1.Click event

```
<html>
    <head> Javascript Click event</head>
    <body>
        <script>
            function clickevent()
            {document.write("welcome to javascript coding");


            }
        </script>
        <forms>
            <input type = "button" onclick = clickevent() value ="Click hear"/>
        </form>
        <body>
            </html>
```

OUTPUT:

Javascript Click event Click hear

welcome to javascript coding

2.Mouseover Event

```html
<html>
  <head>
    <h1>Javascript MouseOver Event</h1>
  </head>
  <body>
    <script>
      function mouseoverevent()
      {document.write("This is javascript");}
    </script>
    <p onmouseover = "mouseoverevent()">keep cursur over me</p>
  </body>
</html>
```

OUTPUT:

Javascript MouseOver Event

keep cursur over me

This is javascript

3.ON MouseOut Event

```html
<html>
<head>
  <script>
    function out() {document.write("Hello Javascript");  }
</script>
</head>
<body>
  <p onmouseout = "out()"
  style = "background-color:rgba(72, 22, 119, 0.74); height:300px; width:400px; "></p>
  </body>
  </html>
```

OUTPUT:

Hello Javascript

4.Onblur Event

```
<head>
  <script>
    function show(){
      var value = prompt ("Enter your name:", "Hello shruti");
      document.write("your name is:"+ value);}
    </script></head>
<body><centre>
    <h1>Hello World</h1>
    <h2>Welcome to  Javascript</h2>
    <p>click the following button</p>
    <input type="button" value="Click Hear" onclick="show();"/>
  </centre></body></html>
```
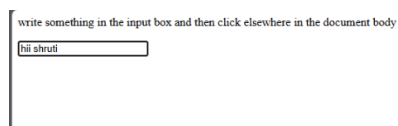
OUTPUT:

27. Create a html page two domonstrait date and time obejet using javascript

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Date and Time Demonstration</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 50px;
    }
    #dateTime {
      font-size: 20px;
      font-weight: bold;
      margin-top: 20px;
    }
  </style>
  <script>
    function displayDateTime() {
      let now = new Date();

      let date = now.toDateString(); // Example: Mon Mar 10 2025
      let time = now.toLocaleTimeString(); // Example: 10:30:45 AM
```

```html
        document.getElementById("dateTime").innerHTML =
            "Current Date: " + date + "<br>Current Time: " + time;
    }


    // Update time every second
    setInterval(displayDateTime, 1000);
</script>
</head>
<body onload="displayDateTime()">
    <h1>JavaScript Date and Time Demonstration</h1>
    <div id="dateTime"></div>
</body>
</html>
```

Output:

JavaScript Date and Time Demonstration

Current Date: Mon Mar 10 2025
Current Time: 11:02:25 PM

28.Write Javascript code to demonstrate use of Dailog Boxes(Alert,Confirm and Prompt).

1.ALERT DAILOG BOX:

<html><head>

<script> function show(){alert("it is an alert dialouge box");}</script></head>
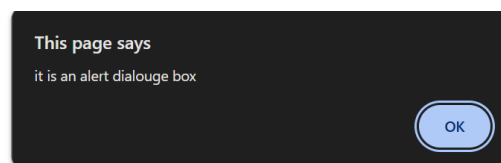
   <body> <centre>

       <h1>Hello World</h1>

       <h2>Welcome to Javascript</h2>

       <p>click the following button</p>

       <input type ="button" value = "Click Here" onclick ="show();"/>

    </centre></body></html>

OUTPUT:

Hello World

Welcome to Javascript

click the following button

[Click Here]

Hello World

Welcome to Javascript

click the following button

[Click Here]

> This page says
>
> it is an alert dialouge box
>
>   (OK)

2.Confirmation Dailog Box

```html
<html>
  <head>
    <script>
      function show(){
        var con = confirm("It is a confirm dialog box");
        if (con ==true){
          document.write("user does not want to continue"); }}
    </script></head></body>
<body> <centre>
    <h2>Welcome to Javascript</h2>
    <p>click the following <button></p>
      <input type ="button" value="Click Here" onclick="show();"/>
  </centre></body></html>
```
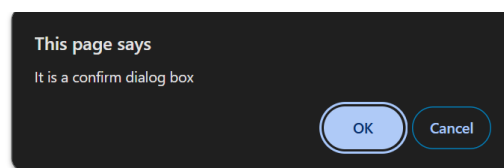
Welcome to Javascript

click the following   Click Here

This page says

It is a confirm dialog box

OK   Cancel

3.Prompt Dailog Box

```
<head>
   <script>
      function show(){
         var value = prompt ("Enter your name:", "Hello shruti");
         document.write("your name is:"+ value);}
      </script></head>
<body><centre>
      <h1>Hello World</h1>
      <h2>Welcome to  Javascript</h2>
      <p>click the following button</p>
      <input type="button" value="Click Hear" onclick="show();"/>
   </centre></body></html>
```
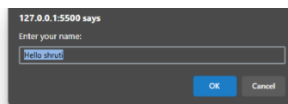
Output:

Hello World

Welcome to Javascript

click the following button

Click Hear

```
127.0.0.1:5500 says
Enter your name:
Hello shruti
                              OK    Cancel
```

your name is:Hello shruti

29.write javascript code to validate email id

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Email Validation</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      text-align: center;
      margin: 50px;
    }
    input {
      padding: 10px;
      margin: 5px;
      width: 250px;
    }
    #message {
      margin-top: 10px;
      font-weight: bold;
    }
  </style>
  <script>
    function validateEmail() {
```

```html
      let email = document.getElementById("email").value;

      let message = document.getElementById("message");

      let emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;


      if (emailPattern.test(email)) {

        message.style.color = "green";

        message.innerHTML = "Valid email address!";

      } else {

        message.style.color = "red";

        message.innerHTML = "Invalid email address! Please enter a valid email.";

      }

    }

  </script>

</head>

<body>

  <h2>Email Validation</h2>

  <form>

    <input type="text" id="email" placeholder="Enter your email"
onkeyup="validateEmail()" required><br>

    <span id="message"></span><br>

    <button type="submit">Submit</button>

  </form>

</body>

</html>
```

Output:

Email Validation

shrutip2805@gmail.com

Valid email address!

Submit

30. Write JavaScript code to demonstrate different String Function.

```html
<html>
  <title>JavaScript String Functions</title>
<body>
  <h1>JavaScript String Functions</h1>
  <script>
    // charAt
    var str = "JavaScript";
    document.write("Character at index 2: " + str.charAt(2) + "<br>");
    // concat
    var x = "helloo";
    var y = "students";
    document.write("Concatenated string: " + x.concat(y) + "<br>");
    // toLowerCase
    var str1 = "GHRIEBM";
    document.write("Lowercase: " + str1.toLowerCase() + "<br>");
    // toUpperCase
    var str2 = "ghriebm";
    document.write("Uppercase: " + str2.toUpperCase() + "<br>");
    // length
    var str3 = new String("This is string");
    document.write("Length of string: " + str3.length + "<br>");
    // replace
    var str4 = "Javaabc";
    document.write("After replacement: " + str4.replace("abc", "Script") + "<br>");
    //substring
```

```
    var str5 = "Javascript";

    document.write("Substring (0, 4): " + str5.substring(0, 5) + "<br>");

  </script>

</body>

</html>
```

OUTPUT:

JavaScript String Functions

Character at index 2: v
Concatenated string: helloostudents
Lowercase: ghriebm
Uppercase: GHRIEBM
Length of string: 14
After replacement: JavaScript
Substring (0, 4): Javas