

WEB TECHNOLOGY PRACTICAL ANSWERS:

SET 1:

1)HTML WEB PAGE:

```
<!DOCTYPE html>
<html>
<head>
  <title>SIMATS SCHOOL OF ENGINEERING</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    header {
      background-color: #f2f2f2;
      padding: 20px;
      text-align: center;
    }
    footer {
      background-color: #f2f2f2;
      padding: 20px;
      text-align: center;
    }
  </style>
</head>
<body>
  <header>
    <h1>SIMATS SCHOOL OF ENGINEERING</h1>
    <nav>
      <a href="index.html">Home</a> |
      <a href="about.html">About</a> |
      <a href="contact.html">Contact</a>
    </nav>
  </header>

  <div style="padding: 20px;">
    <h2>Welcome to SIMATS SCHOOL of Engineering</h2>
```

```

        <p>This is a paragraph that describes the school. The paragraph
will provide general information about the school and its mission.</p>
    </div>

    <footer>
        &copy; 2022 SIMATS SCHOOL OF ENGINEERING. All rights reserved.
    </footer>
</body>
</html>

```

2) NEAREST ODD NUM JS:

```

<!DOCTYPE html>
<html>
<head>

    <title>Nearest Odd Number Finder</title>
</head>
<body>

    <script>
        function findNearestOddNumber() {
            var userNumber = parseInt(prompt("Enter a number:"));
            if (!isNaN(userNumber)) {

                var nearestOddNumber = userNumber % 2 === 0 ?
userNumber - 1 : userNumber;
                alert("The nearest odd number to " + userNumber + " is
" + nearestOddNumber);
            } else {

                alert("Please enter a valid number.");
            }
        }

        findNearestOddNumber();
    </script>

</body>
</html>

```

3) RELATIVE POSITIONING:

```

<!DOCTYPE html>
<html>
<head>
  <title>Relative Positioning</title>
  <style>
    .element {
      width: 100px;
      height: 100px;
      background-color: red;
      position: relative;
    }
    .element1 {
      top: 20px;
      left: 20px;
    }
    .element2 {
      top: 40px;
      left: 40px;
    }
  </style>
</head>
<body>
  <div class="element element1"></div>
  <div class="element element2"></div>
</body>
</html>

```

SET 2:

1)EMPLOYEE REG HTML:

```

<!DOCTYPE html>
<html>
<head>

  <title>Employee Registration Form</title>
  <style>

```

```
body {  
    font-family: Arial, sans-serif;  
    background-color: #f4f4f4;  
    margin: 0;  
    padding: 0;  
}
```

```
form {  
    width: 50%;  
    margin: 50px auto;  
    background-color: #fff;  
    padding: 20px;  
    border-radius: 10px;  
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}
```

```
label {  
    display: block;  
    margin-bottom: 8px;  
}
```

```
input, select {  
    width: 100%;  
    padding: 10px;  
    margin-bottom: 15px;  
    box-sizing: border-box;  
}
```

```
select {
```

```

        appearance: none;
    }

    button {
        background-color: #3498db;
        color: #fff;
        padding: 10px 15px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }
</style>
</head>
<body>

    <form>
        <h2>Employee Registration Form</h2>

        <label for="name">Employee Name:</label>
        <input type="text" id="name" name="name"
required>

        <label for="id">Employee ID:</label>
        <input type="text" id="id" name="id" required>

        <label for="address">Address:</label>
        <input type="text" id="address" name="address"
required>

```

```
<label for="department">Department:</label>
<input type="text" id="department"
name="department" required>

<label for="mobile">Mobile Number:</label>
<input type="tel" id="mobile" name="mobile"
pattern="[0-9]{10}" required>

<label for="city">City:</label>
<select id="city" name="city" required>
  <option value="" disabled selected>Select a
city</option>
  <option value="New York">New York</option>
  <option value="London">London</option>
  <option value="Tokyo">Tokyo</option>
  <!-- Add more cities as needed -->
</select>

<button type="submit">Register</button>
</form>

</body>
</html>
```

2)CSS EXTERNAL STYLE:

HTML:

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

```

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Styled Webpage with External CSS</title>
    <link rel="stylesheet" href="2.2.css">
</head>
<body>

    <header>
        <h1>Welcome to My Webpage</h1>
        <p>This is a simple webpage with external CSS styling.</p>
    </header>

    <nav>
        <ul>
            <li><a href="2.2.html">Section 1</a></li>
            <li><a href="sec2.html">Section 2</a></li>
            <li><a href="sec3.html">Section 3</a></li>
        </ul>
    </nav>

    <section id="section1">
        <h2>Section 1: Introduction</h2>
        <p>This is the introduction section of the webpage.</p>
    </section>

    <footer>
        <p>&copy; 2023 My Webpage. All rights reserved.</p>
    </footer>

</body>
</html>

```

CSS:

```

body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
}

```

```
header {
  background-color: #333;
  color: #fff;
  text-align: center;
  padding: 1em;
}

nav {
  background-color: #eee;
  padding: 0.5em;
}

nav ul {
  list-style: none;
  margin: 0;
  padding: 0;
}

nav li {
  display: inline;
  margin-right: 10px;
}

nav a {
  text-decoration: none;
  color: #333;
}

section {
  padding: 20px;
  margin: 20px;
  background-color: #fff;
  border: 2px solid #333;
}

h2 {
  color: #333;
}

form {
  display: grid;
  gap: 10px;
```



```

}

label {
    display: block;
}

input[type="text"],
input[type="email"],
textarea {
    width: 100%;
    padding: 8px;
    box-sizing: border-box;
}

input[type="submit"] {
    background-color: #333;
    color: #fff;
    padding: 10px 15px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
}

footer {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 1em;
}

```

3) FLOAT POSTIONING

```

<!DOCTYPE html>
<html>
<head>

    <title>Float Positioning Example</title>
    <link rel="stylesheet" href="2.3.css">
</head>
<body>

    <div class="float-example">

```

```
        <div class="box1">Box 1</div>
        <div class="box2">Box 2</div>
    </div>

</body>
</html>
```

CSS:

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

.float-example {
    width: 400px;
    margin: 50px auto;
}

.box1, .box2 {
    width: 200px;
    height: 100px;
    margin: 10px;
    padding: 10px;
    box-sizing: border-box;
    border: 2px solid #333;
}

.box1 {
    float: left;
    background-color: #3498db;
}

.box2 {
    float: left;
    background-color: #e74c3c;
}
```

SET 3:

2)BACKGROUND GIF:

```
<!DOCTYPE html>
<html>
<head>
  <title>Background GIF with CSS Effects</title>
  <link rel="stylesheet" href="3.2.css">
</head>
<body>

  <div class="content">
    <h1>Welcome to My Animated Background</h1>
    <p>This webpage has a background GIF with CSS effects.</p>
  </div>

</body>
</html>
```

CSS:

```
body {
  margin: 0;
  padding: 0;
  font-family: Arial, sans-serif;
  background-image: url('gif.gif'); /* Replace 'background.gif' with
the path to your GIF */
  background-size: cover; /* Adjusts the background image size */
  height: 100vh; /* 100% of the viewport height */
  display: flex;
  align-items: center;
  justify-content: center;
}

.content {
  text-align: center;
  padding: 20px;
  color: #fff;
  background-color: rgba(0, 0, 0, 0.5); /* Background transparency
with RGBA */
  border-radius: 10px; /* Rounded corners for the content */
  transition: background-color 0.5s ease; /* Transition effect on
background color */
}
```

```
.content:hover {
    background-color: rgba(0, 0, 0, 0.8); /* Darker background on hover
*/
}

h1, p {
    margin: 0;
}
```

3)ANIMATION EFFECT:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Picture Slider</title>
    <link rel="stylesheet" href="3.3.css">
</head>
<body>

    <div class="slider-container">
        <div class="slider" id="slider">
            <div class="slide" id="slide1"></div>
            <div class="slide" id="slide2"></div>
            <div class="slide" id="slide3"></div>
            <div class="slide" id="slide4"></div>
            <div class="slide" id="slide5"></div>
            <div class="slide" id="slide6"></div>
        </div>

        <div class="radio-buttons">
            <input type="radio" name="slider" id="radio1" checked>
            <input type="radio" name="slider" id="radio2">
            <input type="radio" name="slider" id="radio3">
        </div>
    </div>
```

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

CSS:

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

.slider-container {
  position: relative;
  width: 600px;
  margin: 50px auto;
}

.slider {
  display: flex;
  transition: transform 0.5s ease-in-out;
}

.slide {
  width: 100%;
  height: 300px;
}

#slide1 {
  background-color: #3498db;
}

#slide2 {
  background-color: #2ecc71;
}

#slide3 {
  background-color: #e74c3c;
}

#slide4 {
  background-color: #e73cab;
}

#slide5 {
  background-color: #533ce7;
}
```

```

}
#slide6 {
    background-color: #3ce772;
}
.radio-buttons {
    position: absolute;
    bottom: 10px;
    left: 50%;
    transform: translateX(-50%);
}

input[type="radio"] {
    display: none;
}

label {
    display: inline-block;
    width: 15px;
    height: 15px;
    background-color: #bbb;
    border-radius: 50%;
    margin: 0 5px;
    cursor: pointer;
}

input[type="radio"]:checked + label {
    background-color: #555;
}

```

4)CSS INTERNAL:

```

<!DOCTYPE html>
<html>
<head>

    <title>Styled Webpage with Internal CSS</title>
    <link rel="stylesheet" href="3.4.css">
</head>
<body>

    <header>
        <h1>Welcome to My Webpage</h1>

```

```

    <p>This is a simple webpage with internal CSS styling.</p>
</header>

<nav>
  <ul>
    <li><a href="3.4.html">Section 1</a></li>
    <li><a href="sec2.html">Section 2</a></li>
    <li><a href="sec3.html">Section 3</a></li>
  </ul>
</nav>

<section id="section1">
  <h2>Section 1: Introduction</h2>
  <p>This is the introduction section of the webpage.</p>
</section>

</body>
</html>

```

CSS:

```

body {
  margin: 0;
  padding: 0;
  font-family: Arial, sans-serif;
  background-image: url('bg.jpg');
  background-repeat: repeat;
  background-size: cover;
}

.content {
  text-align: center;
  padding: 50px;
  color: #fff;
}

```

SET 4:

1)INTERNAL CSS

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

  <title>Inline and Internal Styles</title>

  <!-- Inline Styles -->
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
    }

    h1 {
      color: #333;
      text-align: center;
    }

    /* Internal Styles */
    .container {
      width: 80%;
      margin: 20px auto;
      background-color: #fff;
      padding: 20px;
      border: 2px solid #333;
    }

    p {
      color: #666;
      line-height: 1.6;
    }
  </style>
</head>
<body>

  <h1>Inline and Internal Styles</h1>

  <div style="text-align: center; margin: 20px;">
    <p style="color: #333;">Inline styles.</p>
  </div>
```



```
<div class="container">
  <p> Internal styles.</p>
</div>

</body>
</html>
```

CSS:

2)Absolute position

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

  <title>Absolute Positioning</title>
  <link rel="stylesheet" href="4.2.css">
</head>
<body>

  <div class="container">
    <div class="box1"></div>
    <div class="box2"></div>
  </div>

</body>
</html>
```

CSS:

```
body {
  margin: 0;
  padding: 0;
}

.container {
  position: relative;
```

```

    width: 300px;
    height: 300px;
    margin: 50px auto;
}

.box1, .box2 {
    position: absolute;
    width: 100px;
    height: 100px;
}

.box1 {
    background-color: #3498db;
    top: 50px;
    left: 50px;
}

.box2 {
    background-color: #e74c3c;
    top: 70px;
    left: 70px;
}

```

3)Background picture:

```

<!DOCTYPE html>
<html>
<head>

    <title>Background Image with Repeat</title>
    <link rel="stylesheet" href="4.3.css">
</head>
<body>

    <div class="content">
        <h1>Welcome to My Website</h1>
        <p>This is a simple webpage with a background image.</p>
    </div>

</body>
</html>

```

CSS:

```
body {
    margin: 0;
    padding: 0;
    font-family: Arial, sans-serif;
    background-image: url('bg.jpg');
    background-repeat: repeat;
    background-size: cover;
}

.content {
    text-align: center;
    padding: 50px;
    color: #fff;
}
```

SET 5:

1)MARKS TABLE

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

    <title>Class Test Marklist</title>
    <style>
        table {
            width: 80%;
            border-collapse: collapse;
            margin: 20px;
        }

        th, td {
            border: 1px solid #dddddd;
            text-align: left;
            padding: 8px;
        }
    </style>
</head>
<body>
```

```
        th {
            background-color: #f2f2f2;
        }
    </style>
</head>
<body>

    <h2>Class Test Marklist</h2>

    <table>
        <thead>
            <tr>
                <th>Student Name</th>
                <th>Marks</th>

            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Joe</td>
                <td>85</td>
            </tr>
            <tr>
                <td>Hena</td>
                <td>92</td>
            </tr>
            <tr>
                <td>Trisha</td>
                <td>78</td>
            </tr>
            <tr>
                <td>john</td>
                <td>88</td>
            </tr>
        </tbody>
    </table>

</body>
</html>
```

2)RECTANGULAR BOX:

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

  <title>Box Model Example</title>
  <style>
    /* Apply styles to the container */
    .box-container {
      width: 300px;
      margin: 20px;
      padding: 20px;
      border: 5px solid #333;
      background-color: #f0f0f0;
    }

    /* Apply styles to the content */
    .box-content {
      width: 250px;
      height: 100px;
      background-color: #b3d9ff;
      padding: 10px;
      border: 1px solid #666;
    }
  </style>
</head>
<body>

  <h2>Box Model Example</h2>

  <!-- Container div representing the outer box -->
  <div class="box-container">
    <!-- Content div representing the inner box -->
    <div class="box-content">
      <p>Welcome to my youtube channel.</p>
    </div>
  </div>

</body>
</html>
```

3)JOB PORTAL:

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

<title>Job Portal</title>
<style>
    body {
        font-family: Arial, sans-serif;
        background-color: #f4f4f4;
        margin: 0;
        padding: 0;
    }

    header {
        background-color: #333;
        color: #fff;
        text-align: center;
        padding: 1em;
    }

    nav {
        background-color: #eee;
        padding: 0.5em;
    }

    nav a {
        text-decoration: none;
        padding: 0.5em 1em;
        color: #333;
    }

    section {
        padding: 20px;
        margin: 20px;
        background-color: #fff;
    }

    h2 {
        color: #333;
    }
}
```

```

        footer {
            background-color: #333;
            color: #fff;
            text-align: center;
            padding: 1em;
        }
    </style>
</head>
<body>

    <header>
        <h1>Job Portal</h1>
    </header>

    <nav>
        <a href="3rd.html">Home</a>
        <a href="job.html">Jobs</a>
        <a href="contact.html">Contact</a>
    </nav>

    <section id="home">
        <h2>Welcome to our Job Portal!</h2>
        <p>Find your dream job with us.</p>
    </section>

    <footer>
        <p>&copy; 2023 Job Portal. All rights reserved.</p>
    </footer>

</body>
</html>

```

4) EMOJIS:

```

<!DOCTYPE html>
<html>
<head>

    <title>Emojis with Fixed Size</title>

```

```

<style>

    .emoji {
        font-size: 24px; /* Set the fixed size for the emoji */
        margin: 5px; /* Add some margin for spacing */
    }

    /* Example of using positioning in CSS */
    .position-example {
        position: relative;
    }

    .positioned-element {
        position: absolute;
        top: 50px;
        left: 50px;
        background-color: #f0f0f0;
        padding: 10px;
    }
</style>
</head>
<body>

    <h2>Emojis with Fixed Size</h2>

    <!-- Example 1: Emojis with Fixed Size -->
    <p>
        Emojis with fixed size:
        <span class="emoji">😊</span>
        <span class="emoji">🌟</span>
        <span class="emoji">🚀</span>
    </p>

    <!-- Example 2: Positioning in CSS -->
    <div class="position-example">
        <div class="positioned-element">
            This is a positioned element.
        </div>
    </div>

</body>
</html>

```


SET-6:

1)HOTEL MENU:

```
<!DOCTYPE html>
<html>
<head>
  <title>Hotel Menu</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      margin: 20px;
    }

    h1 {
      color: #333;
      text-align: center;
    }

    .menu-section {
      margin-bottom: 30px;
    }

    .menu-section h2 {
      color: #555;
      border-bottom: 2px solid #ccc;
      padding-bottom: 5px;
      margin-bottom: 10px;
    }
```

```
.menu-list {  
  list-style-type: none;  
  padding: 0;  
  margin: 0;  
}
```

```
.menu-item {  
  display: flex;  
  justify-content: space-between;  
  margin-bottom: 10px;  
}
```

```
.menu-item span {  
  font-weight: bold;  
}
```

```
.definition-list {  
  margin-top: 20px;  
}
```

```
.definition-list dt {  
  font-weight: bold;  
}
```

```
.definition-list dd {  
  margin-left: 0;  
  margin-bottom: 10px;  
}
```

```
</style>
</head>
<body>

  <h1>Hotel Menu</h1>

  <div class="menu-section">
    <h2>Appetizers</h2>
    <ul class="menu-list">
      <li class="menu-item"><span>1.
</span>Bruschetta</li>
      <li class="menu-item"><span>2.
</span>Spinach Artichoke Dip</li>
      <li class="menu-item"><span>3.
</span>Caprese Salad</li>
    </ul>
  </div>

  <div class="menu-section">
    <h2>Main Courses</h2>
    <ol class="menu-list">
      <li class="menu-item"><span>1. </span>Grilled
Salmon</li>
      <li class="menu-item"><span>2.
</span>Chicken Alfredo</li>
      <li class="menu-item"><span>3.
</span>Vegetarian Pasta</li>
    </ol>
  </div>
```

```
<div class="menu-section">
  <h2>Desserts</h2>
  <ul class="menu-list">
    <li class="menu-item"><span>1.
</span>Chocolate Fondue</li>
    <li class="menu-item"><span>2. </span>Apple
Pie</li>
    <li class="menu-item"><span>3.
</span>Tiramisu</li>
  </ul>
</div>
```

```
<div class="definition-list">
  <h2>Beverages</h2>
  <dl>
    <dt>Soft Drinks</dt>
    <dd>Coca-Cola, Pepsi, Sprite</dd>
    <dt>Hot Drinks</dt>
    <dd>Coffee, Tea, Hot Chocolate</dd>
    <dt>Alcoholic Drinks</dt>
    <dd>Wine, Beer, Cocktails</dd>
  </dl>
</div>
```

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

2)RESULT USING TABLE:

```
<!DOCTYPE html>
<html>
<head>
  <title>Result Portal</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      margin: 20px;
    }

    h1 {
      color: #333;
      text-align: center;
    }

    table {
      width: 100%;
      border-collapse: collapse;
      margin-bottom: 20px;
    }

    th, td {
      border: 1px solid #ddd;
      padding: 8px;
      text-align: left;
    }

    th {
      background-color: #f2f2f2;
```

```
}
```

```
.grade {  
  font-weight: bold;  
  color: #fff;  
  padding: 4px 8px;  
  border-radius: 4px;  
}
```

```
.grade-A {  
  background-color: #4CAF50;  
}
```

```
.grade-B {  
  background-color: #2196F3;  
}
```

```
.grade-C {  
  background-color: #FFC107;  
}
```

```
.grade-D {  
  background-color: #FF5722;  
}
```

```
.grade-F {  
  background-color: #F44336;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Student Result Portal</h1>
```

```
<table>
```

```
<thead>
```

```
<tr>
```

```
<th>Student Name</th>
```

```
<th>Subject 1</th>
```

```
<th>Subject 2</th>
```

```
<th>Subject 3</th>
```

```
<th>Total Marks</th>
```

```
<th>Average Marks</th>
```

```
<th>Grade</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr>
```

```
<td>John Doe</td>
```

```
<td>85</td>
```

```
<td>92</td>
```

```
<td>78</td>
```

```
<td>255</td>
```

```
<td>85</td>
```

```
<td class="grade grade-A">A</td>
```

```
</tr>
```

```
<tr>
```

```
<td>Jane Smith</td>
```

```
<td>72</td>
<td>88</td>
<td>65</td>
<td>225</td>
<td>75</td>
<td class="grade grade-B">B</td>
</tr>
<!-- Add more rows for additional students -->
</tbody>
</table>
```

```
<h2>Report Card</h2>
```

```
<p>
    Congratulations to all students for their hard work
    and achievements in the academic year!
</p>
```

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

3)HTML FORMATTING ELEMENT:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
```



```
<title>Special Types of Text</title>
<style>
  body {
    font-family: 'Arial', sans-serif;
    margin: 20px;
  }
</style>
</head>
<body>
```

```
<h1>Special Types of Text</h1>
```

```
<p>This is an example of <em>emphasized
text</em>.</p>
```

```
<p>This is <mark>marked text</mark> within a
paragraph.</p>
```

```
<p><ins>Inserted text</ins> is typically
underlined.</p>
```

```
<p>Subscript and superscript text: H<sub>2</sub>O
and E = mc<sup>2</sup></p>
```

```
<p><del>Deleted text</del> is usually displayed with
a line through it.</p>
```

```
<p>This is an example of <strong>bold text</strong>
and <em>emphasized text</em> together.</p>
```

```
<p>This is an example of <em>emphasized  
text</em> within <strong>bold and <i>italic</i>  
text</strong>.</p>
```

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

4) QUOTATION AND CITATION:

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width,  
initial-scale=1.0">  
  <title>Quotation and Citation</title>  
  <style>  
    body {  
      font-family: 'Arial', sans-serif;  
      margin: 20px;  
      line-height: 1.6;  
    }  
  
    h1 {  
      color: #333;  
      text-align: center;  
    }  
  </style>  
</head>  
<body>  
  <h1>Quotation and Citation</h1>  
</body>  
</html>
```

```
blockquote {
  background-color: #f9f9f9;
  border-left: 4px solid #ccc;
  padding: 10px;
  margin: 10px 0;
}
```

```
cite {
  display: block;
  text-align: right;
  color: #777;
  font-style: italic;
}
```

```
</style>
</head>
<body>
```

```
<h1>Quotes and Citations</h1>
```

```
<blockquote>
  <p>“The only way to do great work is to love what
you do.”</p>
  <cite>— Steve Jobs</cite>
</blockquote>
```

```
<blockquote>
  <p>“In three words I can sum up everything I've
learned about life: it goes on.”</p>
  <cite>— Robert Frost</cite>
```

</blockquote>

<blockquote>

<p>“Success is not final, failure is not fatal: It is the courage to continue that counts.”</p>

<cite>— Winston Churchill</cite>

</blockquote>

</body>

</html>

SET-7

1)FRAMESET:

<!DOCTYPE html>

<html>

<head>

<title>MOBILE</title>

</head>

<frameset rows="30%,40%,50%">

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

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

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

</frameset>

</html>

2)MULTIMEDIA:

```
<!DOCTYPE html>
<html>
<head>
  <title>Multimedia Example</title>
</head>
<body>

  <h1>Multimedia Example</h1>

  <h2>Audio Example</h2>
  <audio controls>
    <source src="audio/sample.mp3"
type="audio/mp3">
    Your browser does not support the audio element.
  </audio>

  <h2>Video Example</h2>
  <video width="640" height="360" controls>
    <source src="video/sample.mp4"
type="video/mp4">
    Your browser does not support the video element.
  </video>

</body>
</html>
```

4)JAVASCRIPT DATE AND TIME:

HTML:

```
<!DOCTYPE html>
<html>
<head>
  <title>Date and Time Display</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      text-align: center;
      margin: 50px;
    }
    h1 {
      color: #333;
    }
  </style>
</head>
<body>

  <h1 id="datetime"></h1>

  <script src="q4.js"></script>

</body>
</html>
```

JS:

```
function updateDateTime() {
  const datetimeElement =
document.getElementById('datetime');
```

```
const now = new Date();
const options = { weekday: 'long', year: 'numeric',
month: 'long', day: 'numeric', hour: 'numeric', minute:
'numeric', second: 'numeric', timeZoneName: 'short' };
const formattedDateTime =
now.toLocaleDateString('en-US', options);
datetimeElement.textContent = formattedDateTime;
}
```

```
// Update the date and time every second
setInterval(updateDateTime, 1000);
```

```
// Initial call to set the date and time immediately when
the page loads
updateDateTime();
```

SET-8:

1)STRING:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>String Operations</title>
  <style>
    body {
```

```
        font-family: Arial, sans-serif;
        margin: 20px;
    }
</style>
</head>
<body>
```

```
<h2>String Operations</h2>
```

```
<script>
    // Return the character at a specified location
    const originalString = "Hello, World!";
    const charAtIndex = originalString.charAt(7);

    document.write("<p>Original String: " +
originalString + "</p>");
    document.write("<p>Character at index 7: " +
charAtIndex + "</p>");

    // Return the Unicode of the character at the
specified index
    const unicodeAtIndex =
originalString.charCodeAt(7);

    document.write("<p>Unicode at index 7: " +
unicodeAtIndex + "</p>");

    // Join two or more strings and return a new joined
string
```



```
const string1 = "Hello";
const string2 = ", ";
const string3 = "World!";
const joinedString = string1.concat(string2, string3);

document.write("<p>Joined String: " + joinedString
+ "</p>");

// Convert Unicode value to a string
const unicodeValue = 65; // Unicode value for 'A'
const charFromUnicode =
String.fromCharCode(unicodeValue);

document.write("<p>Unicode Value: " +
unicodeValue + "</p>");
document.write("<p>Character from Unicode: " +
charFromUnicode + "</p>");

// Convert a string to uppercase letters
const lowercaseString = "hello, world!";
const uppercaseString =
lowercaseString.toUpperCase();

document.write("<p>Original String: " +
lowercaseString + "</p>");
document.write("<p>Uppercase String: " +
uppercaseString + "</p>");
</script>
```

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

2) BACKGROUND IMAGE:

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

<title>Background Image Example</title>
<style>
  body {

    background-image: url('im1.jpg');

    background-size: cover;
    background-position: center;
    background-repeat: no-repeat;

    margin: 0;
    font-family: 'Arial', sans-serif;
  }

  h1 {
    color: #ffffff;
    text-align: center;
```

```
padding: 50px;
}
</style>
</head>
<body>
  <h1>Welcome to My Website</h1>

</body>
</html>
```

SET-9

1)STRING:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>String Operations</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
  </style>
</head>
```

<body>

<h2>String Operations</h2>

<script>

```
// Split a string into an array of substrings
const originalString = "HelloWorldJavaScript";
const splitArray = originalString.split(',');
```

```
document.write("<p>Original String: " +
originalString + "</p>");
document.write("<p>Split Array: " + splitArray.join(',
') + "</p>");
```

```
// Returns the position of the first found occurrence
of a specified substring
const searchString = "World";
const position =
originalString.indexOf(searchString);
```

```
document.write("<p>Position of '" + searchString +
"' : " + position + "</p>");
```

```
// Return a primitive value of a string
const numericString = "123";
const numericValue = Number(numericString);
```

```
document.write("<p>Numeric String: " +
numericString + "</p>");
```

```
document.write("<p>Numeric Value: " +  
numericValue + "</p>");
```

```
// Joins two or more strings and returns a new  
joined string  
const string1 = "Hello";  
const string2 = " ";  
const string3 = "World!";  
const joinedString = string1.concat(string2, string3);
```

```
document.write("<p>Joined String: " + joinedString  
+ "</p>");  
</script>
```

```
</body>
```

```
</html>
```

2)BACKGROUND IMAGE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Background Image Example</title>
```

```
<style>
```

```
body {
```

```
background-image: url('im1.jpg');
```

```
background-size: cover;  
background-position: center;  
background-repeat: no-repeat;
```

```
margin: 0;  
font-family: 'Arial', sans-serif;  
}
```

```
h1 {  
  color: #ffffff;  
  text-align: center;  
  padding: 50px;  
}
```

```
</style>  
</head>  
<body>  
  <h1>Welcome to My Website</h1>  
  
</body>  
</html>
```

SET-10

1)HTML WITH ANIMATED:

HTML:

```
<!DOCTYPE html>
<html>
<head>
  <title>More Animated Effects</title>
  <link rel="stylesheet" href="q1.css">
</head>
<body>

  <div class="animated-element">
    <h1>Welcome to More Animated Effects</h1>
    <p>This page features various animated effects
using CSS.</p>
    <button class="hover-effect">Hover Me</button>
  </div>

</body>
</html>
```

CSS:

```
body {
  font-family: 'Arial', sans-serif;
  margin: 0;
  padding: 0;
  display: flex;
  align-items: center;
  justify-content: center;
  height: 100vh;
  background-color: #53aae4;
  color: #fff;
```

```
}
```

```
.animated-element {  
  text-align: center;  
  padding: 20px;  
  background-color: #fff;  
  border-radius: 10px;  
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);  
  opacity: 0;  
  transform: translateY(-20px);  
  animation: fadeInUp 1s forwards, scaleIn 1s 0.5s  
forwards;  
  transition: background-color 0.3s ease-in-out;  
}
```

```
@keyframes fadeInUp {  
  from {  
    opacity: 0;  
    transform: translateY(20px);  
  }  
  to {  
    opacity: 1;  
    transform: translateY(0);  
  }  
}
```

```
@keyframes scaleIn {  
  from {  
    transform: scale(0.8);
```



```
    }  
    to {  
        transform: scale(1);  
    }  
}
```

```
h1 {  
    color: #333;  
    margin-bottom: 10px;  
}
```

```
p {  
    color: #666;  
    margin-bottom: 20px;  
}
```

```
.hover-effect {  
    padding: 10px 20px;  
    font-size: 16px;  
    background-color: #3498db;  
    color: #fff;  
    border: none;  
    border-radius: 5px;  
    cursor: pointer;  
    transition: background-color 0.3s ease-in-out,  
    transform 0.2s ease-in-out;  
}
```

```
.hover-effect:hover {
```

```
background-color: #2980b9;
transform: scale(1.05);
}

.animated-element:hover {
  animation: shake 0.5s ease-in-out infinite;
}

@keyframes shake {
  0%, 100% {
    transform: translateX(0);
  }
  25%, 75% {
    transform: translateX(-5px);
  }
  50% {
    transform: translateX(5px);
  }
}
```

2)JOB PORTAL:

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
  <style>
    body {
```

```
    font-family: 'Arial', sans-serif;
    margin: 20px;
}
```

```
form {
    max-width: 400px;
    margin: 0 auto;
}
```

```
label {
    display: block;
    margin-bottom: 8px;
}
```

```
input {
    width: 100%;
    padding: 8px;
    margin-bottom: 16px;
    box-sizing: border-box;
}
```

```
input[type="submit"] {
    background-color: #4CAF50;
    color: white;
    cursor: pointer;
}
```

```
input[type="submit"]:hover {
    background-color: #45a049;
```

```
    }

    .error-message {
        color: #ff0000;
    }
</style>
</head>
<body>

    <h1>Student Registration Form</h1>

    <form id="registrationForm" onsubmit="return
validateForm()">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name"
required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email"
required>

        <label for="phone">Phone Number:</label>
        <input type="tel" id="phone" name="phone"
pattern="[0-9]{10}" placeholder="e.g., 1234567890"
required>

        <input type="submit" value="Submit">
    </form>
```

```
<script>
    function validateForm() {
        var name =
document.getElementById("name").value;
        var email =
document.getElementById("email").value;
        var phone =
document.getElementById("phone").value;

        var nameRegex = /^[a-zA-Z\s]+$/;
        var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
        var phoneRegex = /^[0-9]{10}$/;

        if (!nameRegex.test(name)) {
            alert("Please enter a valid name.");
            return false;
        }

        if (!emailRegex.test(email)) {
            alert("Please enter a valid email address.");
            return false;
        }

        if (!phoneRegex.test(phone)) {
            alert("Please enter a valid 10-digit phone
number.");
            return false;
        }
    }
}
```

```
        return true;
    }
</script>
```

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

4)RELATIVE POSITION:

HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>Positioning Example</title>
    <link rel="stylesheet" href="q4.css">
</head>
<body>
```

```
    <h1>Positioning Example</h1>
```

```
    <div class="relative-container">
        <div class="relative-box">
            Relative Box
        </div>
    </div>
```

```
    <div class="absolute-container">
        <div class="absolute-box">
```

```
        Absolute Box
    </div>
</div>

</body>
</html>
```

CSS:

```
body {
    font-family: Arial, sans-serif;
    margin: 20px;
}
```

```
h1 {
    text-align: center;
}
```

```
.relative-container {
    position: relative;
    border: 1px solid #333;
    height: 150px;
    margin-bottom: 20px;
}
```

```
.relative-box {
    position: relative;
    top: 20px;
    left: 50px;
```

```
background-color: #f0f0f0;
padding: 10px;
}
```

```
.absolute-container {
  position: relative;
  border: 1px solid #333;
  height: 150px;
}
```

```
.absolute-box {
  position: absolute;
  top: 20px;
  left: 50px;
  background-color: #f0f0f0;
  padding: 10px;
}
```