

Q.1 Define the terms: Website, Webpage, Web browser, Web server, HTML, CSS

Ans. **Website:** A collection of related web pages that are grouped together and usually connected via hyperlinks. Websites are hosted on a server and are accessible through a domain name. They provide information or services and may include various media elements such as text, images, and videos.

Webpage: An individual document on the web, typically written in HTML, that can be accessed using a web browser. A webpage is a single entity within a website, containing content like text, images, links, etc. Each webpage has a unique URL.

Web Browser: Software used to access and display web pages. Browsers send requests to web servers and display the returned content (web pages). Examples of web browsers include Google Chrome, Mozilla Firefox, Microsoft Edge, and Safari.

Web Server: A computer system that hosts websites and delivers web pages to users when requested. The web server receives and processes HTTP requests from a web browser, retrieving and serving the appropriate webpage. Popular web server software includes Apache, Nginx, and Microsoft IIS.

HTML (HyperText Markup Language): The standard markup language used to create and design web pages. It structures the content on a webpage using elements like headings, paragraphs, lists, links, and images.

CSS (Cascading Style Sheets): A style sheet language used to control the appearance of HTML elements on a webpage. CSS defines how the content should be displayed, including layouts, colors, fonts, spacing, and more, making web pages visually appealing and responsive.

Q.2 Create a webpage to show "This is my first HTML page"

```
<!DOCTYPE html>
```

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

```
<head>
```

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>My First HTML Page</title>
</head>
<body>
  <h1>This is my first HTML page</h1>
</body>
</html>
```



This is my first HTML page

Q.3 Display top 10 IT companies list in html webpage



Top 10 IT Companies

1. Apple
2. Microsoft
3. Amazon
4. Alphabet (Google)
5. Facebook (Meta)
6. IBM
7. Tata Consultancy Services (TCS)
8. Accenture
9. Oracle
10. Samsung

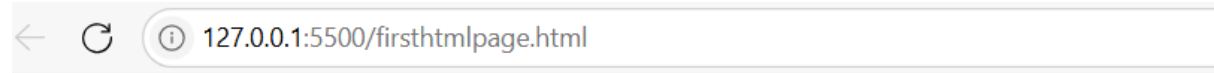
Q.4 Create a dropdown list

Select Your Favorite Programming Language

Choose a language:

Q.5 Create a Table Of college Management system using row span & col span.

Ans



College Management System

Department	Staff			Total Students
	Head	Faculty	Support Staff	
Computer Science	Dr. John	15	5	300
Mechanical Engineering	Dr. Smith	20	8	250
Electrical Engineering	Dr. Adams	18	6	200
Civil Engineering	Dr. Brown	12	4	150

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>College Management System</title>
```

```
  <style>
```

```
    table, th, td {
```

```
      border: 1px solid black;
```

```
      border-collapse: collapse;
```

```
      padding: 10px;
```

```
    }
```

```
    th, td {
```

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

```
    }
```

```
</style>
</head>
<body>
  <h1>College Management System</h1>
  <table>
    <tr>
      <th rowspan="2">Department</th>
      <th colspan="3">Staff</th>
      <th rowspan="2">Total Students</th>
    </tr>
    <tr>
      <th>Head</th>
      <th>Faculty</th>
      <th>Support Staff</th>
    </tr>
    <tr>
      <td>Computer Science</td>
      <td>Dr. John</td>
      <td>15</td>
      <td>5</td>
      <td>300</td>
    </tr>
    <tr>
      <td>Mechanical Engineering</td>
      <td>Dr. Smith</td>
      <td>20</td>
```

```
<td>8</td>
<td>250</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>Dr. Adams</td>
<td>18</td>
<td>6</td>
<td>200</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>Dr. Brown</td>
<td>12</td>
<td>4</td>
<td>150</td>
</tr>
</table>
</body>
</html>
```

Q.6 In how many ways can a CSS be integrated as a web page?

Ans. **Inline CSS**

CSS is applied directly within an HTML element using the style attribute. This method applies styles to a single element.

Internal (Embedded) CSS

CSS is placed inside a <style> element within the <head> section of the HTML document. This method applies styles to the entire page.

External CSS

CSS is placed in a separate .css file, which is linked to the HTML document using a <link> tag. This method is most efficient for larger websites.

- **inline CSS:** Quick and specific, used directly within the element.
- **Internal CSS:** Placed within the <style> tag in the HTML head, used for a single document.
- **External CSS:** In a separate .css file, linked to multiple pages for reusability and maintainability.

Each method has its pros and cons, and the choice depends on the scale and complexity of the project. External CSS is generally the preferred approach for large projects.

Q. 10. Create below page using HTML CSS

Ans.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Individual Registration</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #e0f7fa;
    }
    .container {
```

```
width: 700px;
margin: 20px auto;
padding: 20px;
background-color: #b3e5fc;
border: 1px solid #0097a7;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

h2 {
  text-align: center;
  background-color: #00838f;
  color: white;
  padding: 10px;
}

form {
  margin-top: 20px;
}

.form-section {
  margin-bottom: 20px;
}

.form-section h3 {
  color: #d32f2f;
  margin-bottom: 10px;
}

label {
  display: block;
  margin-bottom: 5px;
```



```
    font-size: 14px;
    color: #555;
}
input[type="text"], input[type="password"], select {
    width: calc(50% - 10px);
    padding: 8px;
    margin-bottom: 10px;
    border: 1px solid #0097a7;
    border-radius: 4px;
}
.form-row {
    display: flex;
    justify-content: space-between;
}
.form-row div {
    width: 48%;
}
.declaration {
    font-size: 12px;
    color: #d32f2f;
    margin-bottom: 20px;
}
.buttons {
    text-align: center;
}
input[type="submit"], input[type="reset"] {
```

```
padding: 10px 20px;
background-color: #0097a7;
color: white;
border: none;
border-radius: 4px;
cursor: pointer;
margin-right: 10px;
}
input[type="reset"] {
    background-color: #d32f2f;
}
</style>
</head>
<body>

<div class="container">
    <h2>Individual Registration</h2>

    <form>
        <!-- User Particulars -->
        <div class="form-section">
            <h3>User Particulars</h3>
            <div class="form-row">
                <div>
                    <label for="login-id">* Login ID</label>
                    <input type="text" id="login-id" name="login-id" required>
```

```
</div>
<div>
  <label for="password">* Password</label>
  <input type="password" id="password" name="password"
required>
</div>
</div>
<div class="form-row">
  <div>
    <label for="confirm-password">* Confirm Password</label>
    <input type="password" id="confirm-password" name="confirm-
password" required>
  </div>
</div>
</div>
```

```
<!-- Personal Particulars -->
```

```
<div class="form-section">
```

```
<h3>Personal Particulars</h3>
```

```
<div class="form-row">
```

```
<div>
```

```
<label for="salutation">* Salutation</label>
```

```
<select id="salutation" name="salutation">
```

```
<option value="Mr">Mr</option>
```

```
<option value="Ms">Ms</option>
```

```
<option value="Mrs">Mrs</option>
```

```
</select>
```

```
</div>
<div>
  <label for="first-name">* First Name</label>
  <input type="text" id="first-name" name="first-name" required>
</div>
</div>
<div class="form-row">
  <div>
    <label for="middle-name">Middle Name</label>
    <input type="text" id="middle-name" name="middle-name">
  </div>
  <div>
    <label for="last-name">* Last Name</label>
    <input type="text" id="last-name" name="last-name" required>
  </div>
</div>
<div class="form-row">
  <div>
    <label for="resident-status">* Resident Status</label>
    <select id="resident-status" name="resident-status">
      <option value="resident">Resident</option>
      <option value="non-resident">Non-Resident</option>
    </select>
  </div>
  <div>
    <label for="country">* Country</label>
```

```
<select id="country" name="country">
  <option value="india">India</option>
  <option value="usa">USA</option>
  <option value="canada">Canada</option>
</select>
</div>
</div>
<div class="form-row">
  <div>
    <label for="email">* Email-ID</label>
    <input type="text" id="email" name="email" required>
  </div>
  <div>
    <label for="mobile-number">* Mobile Number</label>
    <input type="text" id="mobile-number" name="mobile-number"
required>
  </div>
</div>
</div>
</div>

<!-- Account Particulars -->
<div class="form-section">
  <h3>Account Particulars</h3>
  <div class="form-row">
    <div>
      <label for="account-no">* 15 Digit Account No</label>
      <input type="text" id="account-no" name="account-no" required>
```

```
</div>

<div>

    <label for="nick-name">Nick Name</label>

    <input type="text" id="nick-name" name="nick-name">

</div>

</div>

<div class="form-row">

    <div>

        <label for="fund-transfer">* Fund Transfer</label>

        <select id="fund-transfer" name="fund-transfer">

            <option value="yes">Yes</option>

            <option value="no">No</option>

        </select>

    </div>

</div>

</div>

<!-- Declaration -->

<div class="declaration">

    DECLARATION: I have read, understood, and hereby agree to the Terms
and Conditions in respect of all products and channels...

</div>

<!-- Submit and Reset Buttons -->

<div class="buttons">

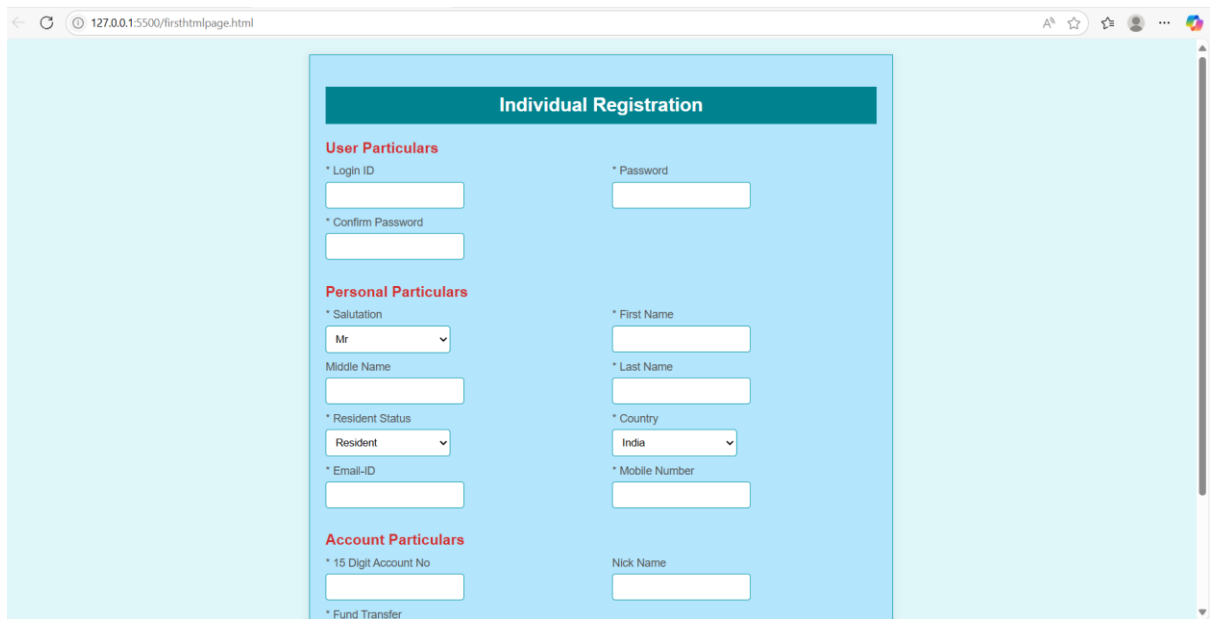
    <input type="submit" value="Submit">

    <input type="reset" value="Reset">

</div>
```

```
</div>
</form>
</div>
```

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



The screenshot displays a web browser window with the address bar showing "127.0.0.1:5500/firsthtmlpage.html". The main content area features a light blue background with a central white box titled "Individual Registration". This box is organized into three distinct sections, each with a red header:

- User Particulars:** Contains fields for "* Login ID", "* Confirm Password", and "* Password".
- Personal Particulars:** Includes a "* Salutation" dropdown (set to "Mr"), a "Middle Name" field, a "* Resident Status" dropdown (set to "Resident"), an "* Email-ID" field, a "* First Name" field, a "* Last Name" field, a "* Country" dropdown (set to "India"), and a "* Mobile Number" field.
- Account Particulars:** Features a "* 15 Digit Account No" field, a "Nick Name" field, and a partially visible "* Fund Transfer" field.