

## 1. Create Web Page with HTML 5 & CSS 3.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Sample Webpage</title>

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

</head>

<body>

  <header>

    <div class="container">

      <h1>Welcome to My Webpage</h1>

      <nav>

        <ul>

          <li><a href="#home">Home</a></li>

          <li><a href="#about">About</a></li>

          <li><a href="#services">Services</a></li>

          <li><a href="#contact">Contact</a></li>

        </ul>

      </nav>

    </div>

  </header>

  <section id="home" class="section">

    <div class="container">

      <h2>Home Section</h2>

      <p>This is the home section. It contains introductory content about the website.</p>

    </div>

  </section>

</body>

</html>
```

</div>

</section>

<section id="about" class="section">

<div class="container">

<h2>About Us</h2>

<p>We are a creative agency providing services to help you succeed online.</p>

</div>

</section>

<section id="services" class="section">

<div class="container">

<h2>Our Services</h2>

<ul>

<li>Web Design</li>

<li>SEO Services</li>

<li>Digital Marketing</li>

<li>Branding</li>

</ul>

</div>

</section>

<section id="contact" class="section">

<div class="container">

<h2>Contact Us</h2>

<p>If you have any questions or want to work with us, feel free to get in touch!</p>

</div>

</section>

```
<footer>

  <div class="container">

    <p>&copy; 2025 My Webpage. All rights reserved.</p>

  </div>

</footer>

</body>

</html>
```

```
/* Global Styles */

* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  line-height: 1.6;
  background-color: #f4f4f4;
  color: #333;
}

.container {
  width: 90%;
  margin: 0 auto;
}
```

```
/* Header Styles */

header {
    background-color: #333;
    color: #fff;
    padding: 20px 0;
}

header h1 {
    text-align: center;
    font-size: 2.5rem;
}

nav ul {
    list-style-type: none;
    text-align: center;
    padding: 0;
}

nav ul li {
    display: inline;
    margin: 0 20px;
}

nav ul li a {
    color: #fff;
    text-decoration: none;
    font-size: 1.1rem;
    text-transform: uppercase;
```

```
}
```

```
nav ul li a:hover {  
    color: #ff6347;  
}
```

```
/* Section Styles */
```

```
.section {  
    padding: 50px 0;  
    background-color: #fff;  
    margin-bottom: 20px;  
}
```

```
.section h2 {  
    text-align: center;  
    font-size: 2rem;  
    margin-bottom: 20px;  
}
```

```
.section p {  
    text-align: center;  
    font-size: 1.2rem;  
}
```

```
/* List Styles */
```

```
ul {  
    list-style-type: none;  
    text-align: center;
```

```
}
```

```
ul li {  
    font-size: 1.1rem;  
    margin: 10px 0;  
}
```

```
/* Footer Styles */
```

```
footer {  
    background-color: #333;  
    color: #fff;  
    text-align: center;  
    padding: 10px 0;  
    position: fixed;  
    bottom: 0;  
    width: 100%;  
}
```

```
/* Responsive Design */
```

```
@media (max-width: 768px) {  
    header h1 {  
        font-size: 2rem;  
    }  
}
```

```
nav ul li {  
    display: block;  
    margin: 10px 0;  
}
```

}

2.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Image as Hyperlink</title>

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

</head>

<body>

  <header>

    <div class="container">

      <h1>Welcome to My Webpage</h1>

    </div>

  </header>

  <section id="home" class="section">

    <div class="container">

      <h2>Home Section</h2>

      <p>This is the home section. It contains introductory content about the website.</p>

      <!-- Image as Hyperlink -->

      <a href="https://www.example.com" target="_blank">

        

      </a>

      <p>Click on the image above to visit another page!</p>

    </div>

  </section>

</body>

</html>
```



</section>

<footer>

<div class="container">

<p>&copy; 2025 My Webpage. All rights reserved.</p>

</div>

</footer>

</body>

</html>

**/\* Global Styles \*/**

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}
```

```
body {  
  font-family: Arial, sans-serif;  
  line-height: 1.6;  
  background-color: #f4f4f4;  
  color: #333;  
}
```

```
.container {  
  width: 90%;  
  margin: 0 auto;
```

```
}

/* Header Styles */
header {
    background-color: #333;
    color: #fff;
    padding: 20px 0;
}
```

```
header h1 {
    text-align: center;
    font-size: 2.5rem;
}
```

```
/* Section Styles */
.section {
    padding: 50px 0;
    background-color: #fff;
    margin-bottom: 20px;
}
```

```
.section h2 {
    text-align: center;
    font-size: 2rem;
    margin-bottom: 20px;
}
```

```
.section p {
```

```
text-align: center;
font-size: 1.2rem;
}

/* Image Formatting */
.img-link {
display: block;
margin: 0 auto;
max-width: 100%;
height: auto;
transition: transform 0.3s ease;
}

.img-link:hover {
transform: scale(1.05);
}

/* Footer Styles */
footer {
background-color: #333;
color: #fff;
text-align: center;
padding: 10px 0;
position: fixed;
bottom: 0;
width: 100%;
}
```

### 3. Create HTML page with list and also some of nested list.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>HTML Lists Example</title>

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

</head>

<body>

  <header>

    <div class="container">

      <h1>HTML Lists with Nested Items</h1>

    </div>

  </header>

  <section class="section">

    <div class="container">

      <h2>Unordered List (Bulleted)</h2>

      <ul>

        <li>Apples</li>

        <li>Bananas

          <ul>

            <li>Green Bananas</li>

            <li>Yellow Bananas</li>

          </ul>

        </li>
```

```
<li>Cherries</li>
</ul>
```

```
<h2>Ordered List (Numbered)</h2>
```

```
<ol>
  <li>First Item</li>
  <li>Second Item
    <ol>
      <li>Sub-item 1</li>
      <li>Sub-item 2</li>
    </ol>
  </li>
  <li>Third Item</li>
</ol>
```

```
<h2>Another Unordered List Example</h2>
```

```
<ul>
  <li>Travel Destinations
    <ul>
      <li>New York
        <ul>
          <li>Statue of Liberty</li>
          <li>Central Park</li>
        </ul>
      </li>
      <li>Paris</li>
      <li>Tokyo</li>
    </ul>
  </li>
</ul>
```

```
        </li>

    </ul>

</div>

</section>


<footer>

    <div class="container">

        <p>&copy; 2025 HTML Lists Example. All rights reserved.</p>

    </div>

</footer>

</body>

</html>
```

```
/* Global Styles */

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    background-color: #f9f9f9;
    color: #333;
}

.container {
    width: 90%;
```

```
    margin: 0 auto;
}

/* Header Styles */
header {
    background-color: #4CAF50;
    color: white;
    padding: 20px 0;
}

header h1 {
    text-align: center;
    font-size: 2.5rem;
}

/* Section Styles */
.section {
    padding: 50px 0;
    background-color: #fff;
    margin-bottom: 20px;
}

h2 {
    font-size: 1.8rem;
    margin-bottom: 20px;
}

/* List Styles */
```

```
ul, ol {  
    margin-left: 20px;  
    font-size: 1.2rem;  
}
```

```
ul li, ol li {  
    margin-bottom: 10px;  
}
```

```
ul ul, ol ol {  
    margin-top: 10px;  
    margin-left: 20px;  
}
```

```
/* Footer Styles */  
footer {  
    background-color: #4CAF50;  
    color: white;  
    text-align: center;  
    padding: 10px 0;  
}
```



#### 4. Create HTML page to study <form> tag and all form input tags.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Form Input Tags</title>

</head>

<body>

  <h1>Study of HTML Form and Input Tags</h1>

  <form action="#" method="POST">

    <h2>Text Inputs</h2>

    <!-- Text Input -->

    <label for="name">Name:</label>

    <input type="text" id="name" name="name" placeholder="Enter your name">

    <br><br>

    <!-- Email Input -->

    <label for="email">Email:</label>

    <input type="email" id="email" name="email" placeholder="Enter your email">

    <br><br>

    <!-- Password Input -->

    <label for="password">Password:</label>
```

```
<input type="password" id="password" name="password" placeholder="Enter your password">
```

```
<br><br>
```

```
<h2>Radio Buttons</h2>
```

```
<label>Gender:</label>
```

```
<input type="radio" id="male" name="gender" value="male">
```

```
<label for="male">Male</label>
```

```
<input type="radio" id="female" name="gender" value="female">
```

```
<label for="female">Female</label>
```

```
<br><br>
```

```
<h2>Checkboxes</h2>
```

```
<label for="subscribe">Subscribe to newsletter:</label>
```

```
<input type="checkbox" id="subscribe" name="subscribe" value="yes">
```

```
<br><br>
```

```
<h2>Dropdown Menu</h2>
```

```
<label for="country">Select your country:</label>
```

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

```
  <option value="usa">USA</option>
```

```
  <option value="uk">UK</option>
```

```
  <option value="india">India</option>
```

```
  <option value="australia">Australia</option>
```

```
</select>
```

```
<br><br>
```

```
<h2>Text Area</h2>
```

```
<label for="message">Message:</label>
```

```
<textarea id="message" name="message" rows="4" cols="50" placeholder="Write your message here..."></textarea>
```

```
<br><br>
```

```
<h2>File Input</h2>
```

```
<label for="fileUpload">Upload your file:</label>
```

```
<input type="file" id="fileUpload" name="fileUpload">
```

```
<br><br>
```

```
<h2>Submit Button</h2>
```

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

```
</form>
```

```
</body>
```

```
</html>
```

**5. Create Simple HTML page with a DIV and Span tag. Also understand the difference between div and span.**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Div and Span Example</title>

</head>

<body>

  <!-- Div Example -->

  <div style="background-color: lightblue; padding: 20px;">

    <h1>This is a Div Tag</h1>

    <p>The <span style="color: red;">div</span> tag is a block-level element.</p>

  </div>

  <!-- Span Example -->

  <p>

    Here is a <span style="color: green;">span</span> tag inside a paragraph.

    The <span style="color: orange;">span</span> tag is an inline element.

  </p>

</body>

</html>
```

## 6. Write a CSS using inline CSS, Embedded CSS, External CSS.

### HTML with Inline CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Inline CSS Example</title>
</head>
<body>
  <h1 style="color: blue; text-align: center;">Hello, World with Inline CSS</h1>
  <p style="font-size: 18px; color: green;">This paragraph is styled using Inline
CSS.</p>
</body>
</html>
```

### HTML with Embedded CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Embedded CSS Example</title>
  <style>
    h1 {
      color: red;
      text-align: center;
    }
    p {
      font-size: 18px;
      color: purple;
    }
  </style>
</head>
<body>
  <h1>Hello, World with Embedded CSS</h1>
  <p>This paragraph is styled using Embedded CSS.</p>
</body>
</html>
```

## HTML with External CSS

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>External CSS Example</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1>Hello, World with External CSS</h1>
  <p>This paragraph is styled using External CSS.</p>
</body>
</html>
```

## 7. Study the concept of selectors (HTML tag selector, Class selector and ID selector).

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Selectors Example</title>
  <style>
    /* Tag selector */
    p {
      color: blue;
    }

    /* Class selector */
    .highlight {
      background-color: yellow;
    }

    /* ID selector */
    #main-heading {
      font-size: 32px;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h1 id="main-heading">Welcome to CSS Selectors!</h1>
  <p>This is a paragraph of text.</p>
  <p class="highlight">This paragraph is highlighted.</p>
</body>
</html>
```

8. Implement CSS 2.0 with all types with Background, Display, Font, Position, Text, Floating, Table, List properties.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS 2.0 Example (Fixed)</title>
  <style>
    /* Background Properties */
    body {
      background-color: #f4f4f4;
    }

    /* Display Properties */
    .block-element {
      display: block;
    }
    .inline-element {
      display: inline;
    }

    /* Font Properties */
    p {
      font-family: Arial, sans-serif;
      font-size: 16px;
      font-style: italic;
```



```
    font-weight: bold;
}

/* Position Properties */
.relative-box {
    position: relative;
    background: lightblue;
    padding: 20px;
    width: 300px;
    height: 100px;
    border: 1px solid black;
    margin-bottom: 20px;
}

.absolute-box {
    position: absolute;
    top: 10px;
    left: 10px;
    background: lightgray;
    padding: 10px;
    border: 1px solid black;
}

.fixed-box {
    position: fixed;
    bottom: 10px;
    right: 10px;
    background-color: #333;
```

```
    color: white;
    padding: 10px;
    border-radius: 5px;
}

/* Floating Elements */
.clearfix::after {
    content: "";
    display: table;
    clear: both;
}

.left-float {
    float: left;
    width: 45%;
    background: lightblue;
    padding: 10px;
    border: 1px solid black;
    margin-right: 5%;
}

.right-float {
    float: right;
    width: 45%;
    background: lightcoral;
    padding: 10px;
    border: 1px solid black;
}
```

```

/* Table Properties */
table {
    border-collapse: collapse;
    width: 100%;
    margin-top: 20px;
}
th, td {
    border: 1px solid black;
    padding: 8px;
}
th {
    text-align: left;
}

/* List Properties */
ul {
    list-style-type: square;
    list-style-position: inside;
}
ol {
    list-style-type: decimal;
    list-style-position: outside;
}
</style>
</head>
<body>
<h1>CSS 2.0 Example</h1>

```

```
<p class="block-element">This is a block element.</p>
```

```
<span class="inline-element">This is an inline element.</span>
```

```
<!-- Fixed Position Box -->
```

```
<div class="fixed-box">Fixed Position</div>
```

```
<!-- Positioning Fixed -->
```

```
<div class="relative-box">
```

```
    Relative Position
```

```
    <div class="absolute-box">Absolute Position</div>
```

```
</div>
```

```
<!-- Floating Elements -->
```

```
<div class="clearfix">
```

```
    <div class="left-float">Left Float</div>
```

```
    <div class="right-float">Right Float</div>
```

```
</div>
```

```
<!-- Table -->
```

```
<table>
```

```
    <tr>
```

```
        <th>Header 1</th>
```

```
        <th>Header 2</th>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>Data 1</td>
```

```
        <td>Data 2</td>
```

```
</tr>
</table>

<!-- Lists -->
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
</ul>
<ol>
  <li>First</li>
  <li>Second</li>
</ol>
</body>
</html>
```

## 9. Implement Box model using properties like Border, Margin, Padding, Height, and Width.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>CSS Box Model Example</title>

  <style>

    .box {

      width: 300px; /* Width of the box */

      height: 150px; /* Height of the box */

      border: 5px solid #333; /* Border around the box */

      padding: 20px; /* Space inside the border */

      margin: 30px; /* Space outside the box */

      background-color: lightblue; /* Background color */

    }

  </style>

</head>

<body>

  <div class="box">

    This is a box model example.

  </div>

</body>

</html>
```