```html
<!--Q1.Write a program for different formatting tags used in HTML.-->
<!DOCTYPE html>
<html>
<head>
    <title>HTML Formatting Tags</title>
</head>
<body>
    <h1>HTML Formatting Tags</h1>
    <p><b>This is bold text</b></p>
    <p><i>This is italicized text</i></p>
    <p><u>This is underlined text</u></p>
    <p><strike>This is strikethrough text</strike></p>
    <p><mark>This is highlighted text</mark></p>
    <p><small>This is small text</small></p>
    <p><strong>This is strong text</strong></p>
    <p><em>This is emphasized text</em></p>
    <p><sup>This is superscript text</sup></p>
    <p><sub>This is subscript text</sub></p>
</body>
</html>
```

```html
<!--Q2. Write a program for different types of lists. Write a program to show implementation of nested list. -->
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Types of Lists and Nested Lists</title>
</head>
<body>
    <h2>Different Types of Lists</h2>
    <h3>Unordered List</h3>
    <ul>
        <li>Item 1</li>
        <li>Item 2</li>
        <li>Item 3</li>
    </ul>
    <h3>Ordered List</h3>
    <ol>
        <li>First</li>
        <li>Second</li>
        <li>Third</li>
    </ol>
    <h2>Nested List Example</h2>
    <ul>
        <li>Fruits
            <ul>
                <li>Apple</li>
                <li>Banana</li>
                <li>Orange</li>
            </ul>
        </li>
        <li>Vegetables
            <ul>
                <li>Carrot</li>
                <li>Broccoli</li>
                <li>Spinach</li>
            </ul>
        </li>
    </ul>
</body>
</html>
```

```html
<!--Q3. Write a program for printing class timetable showing use of rowspan and colspan. -->
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Class Timetable</title>
</head>
<body>
    <h1>Class
    <table bo
        <tr>
            <th>Day</th>
            <th>9-10 AM</th>
            <th>10-11 AM</th>
            <th>11-12 AM</th>
            <th>12-1 PM</th>
        </tr>
        <tr>
            <td>Monday</td>
            <td rowspan="2">Math</td>
            <td>Science</td>
            <td>History</td>
            <td rowspan="3">Lunch Break</td>
        </tr>
        <tr>
            <td>Tuesday</td>
            <td>English</td>
            <td>Geography</td>
        </tr>
        <tr>
            <td>Wednesday</td>
            <td>Physics</td>
            <td colspan="2">Computer Lab</td>
        </tr>
    </table>
</body>
</html>
```

The th element represents a header cell in a table.

MDN Reference

```html
<!--Q4. Program to show the use of target attribute with different values. -->
<!DOCTYPE html>
<html>
<head>
    <title>Target Attribute Example</title>
</head>
<body>
    <h1>Use of Target Attribute</h1>
    <a href="https://www.google.com" target="_blank">Open Google in New Tab</a><br>
    <a href="https://www.bing.com" target="_self">Open Bing in Same Tab</a><br>
    <a href="https://www.yahoo.com" target="_parent">Open Yahoo in Parent Frame</a><br>
    <a href="https://www.duckduckgo.com" target="_top">Open DuckDuckGo in Full Window</a>
</body>
</html>
```

```
1  <!--Q5 Write a program to create a web page using img tag with all its attributes. Write a program to create a web page using image as hyperlink. Create a small website of four pages showing use of
    external link. -->
2  <!DOCTYPE html>
3  <html>
4  <head>
5      <title>Combined Web Page</title>
6  </head>
7  <body>
8      <h1>Welcome to My Combined Web Page</h1>
9      <h2>Image with All Attributes</h2>
10     <img src="example.jpg" alt="Sample Image" width="300" height="200" title="Sample Image"
11         usemap="#image-map" loading="lazy">
12     <map name="image-map">
13         <area shape="rect" coords="34,44,270,350" alt="Clickable Area" href="https://www.example.com">
14     </map>
15     <h2>Image as Hyperlink</h2>
16     <a href="https://www.google.com" target="_blank">
17         <img src="google-logo.jpg" alt="Google Logo" width="200" height="100">
18     </a>
19     <h2>My Small Website</h2>
20     <nav>
21         <ul>
22             <li><a href="#home">Home</a></li>
23             <li><a href="#about">About</a></li>
24             <li><a href="#services">Services</a></li>
25             <li><a href="#contact">Contact</a></li>
26         </ul>
27     </nav>
28     <section id="home">
29         <h3>Home</h3>
30         <p>This is the home page of my small website.</p>
31         <p>External Link: Visit <a href="https://www.wikipedia.org" target="_blank">Wikipedia</a>.</p>
32     </section>
33     <section id="about">
34         <h3>About</h3>
35         <p>This is the about page.</p>
36         <p>External Link: Learn more on <a href="https://www.w3schools.com" target="_blank">W3Schools</a>.</p>
37     </section>
38     <section id="services">
39         <h3>Services</h3>
40         <p>We offer great services.</p>
41         <p>External Link: Check services on <a href="https://www.github.com" target="_blank">GitHub</a>.</p>
42     </section>
43     <section id="contact">
44         <h3>Contact</h3>
45         <p>Feel free to contact us!</p>
46         <p>External Link: Contact us via <a href="mailto:example@example.com">Email</a>.</p>
47     </section>
48  </body>
49  </html>
50
```

```
1   <!--Q6 Write a program to set a background image for both the page and single elements on the page and control the repetition of the image with
    the background repeat property. -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <title>Background Image Example</title>
6       <style>
7           body {
8               background: url('background-page.jpg') no-repeat center center fixed;
9               background-size: cover;
10          }
11          .content {
12              background: url('background-element.jpg') repeat-x;
13              padding: 20px;
14              margin: 20px;
15          }
16          .box {
17              background: url('pattern.jpg') repeat-y;
18              width: 300px;
19              height: 150px;
20              margin: 20px;
21          }
22      </style>
23  </head>
24  <body>
25      <h1>Background Image Example</h1>
26      <div class="content">
27          <p>This div has a background image that repeats horizontally.</p>
28      </div>
29      <div class="box">
30          <p>This box has a background image that repeats vertically.</p>
31      </div>
32  </body>
33  </html>
34
```

```html
Q7.html > ...
1   <!--Q7 Write a program to create a web page showing the use of font and text attribute of CSS. -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <title>Font and Text in CSS</title>
6       <style>
7           h1 { font: italic bold 36px Arial, sans-serif; }
8           p { font: 18px 'Times New Roman', serif; }
9           .center { text-align: center; text-decoration: underline; }
10          .upper { text-transform: uppercase; }
11          .spaced { letter-spacing: 3px; word-spacing: 5px; }
12      </style>
13  </head>
14  <body>
15      <h1>CSS Font and Text Example</h1>
16      <p>Normal font paragraph.</p>
17      <p class="center">Centered and underlined text.</p>
18      <p class="upper">Uppercase text.</p>
19      <p class="spaced">Spaced letters and words.</p>
20  </body>
21  </html>
22
```

```
Q8.html > ...
1    <!-- Write a program to create a web page showing the use of color and background attribute of CSS. -->
2    <!DOCTYPE html>
3    <html>
4    <head>
5        <title>Color and Background in CSS</title>
6        <style>
7            body { background: ▨lightblue; }
8            h1 { color: ▪darkblue; background: ▫yellow; }
9            p { color: ▫white; background: ▪green; padding: 10px; }
10       </style>
11   </head>
12   <body>
13       <h1>Color and Background Example</h1>
14       <p>This is a paragraph with text and background color.</p>
15   </body>
16   </html>
17
```

```html
1   <!--Q9. Write html code to develop a webpage having two frames that divide the webpage into two equal rows and then divide the row into equal columns fill each frame with a different background
    color. -->
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <title>Frameset with Hello World</title>
6   </head>
7   <frameset rows="50%, 50%" frameborder="0" border="0">
8       <frameset cols="50%, 50%" frameborder="0">
9           <frame src="frame1.html" style="background-color: 🟦lightblue;" noresize>
10          <frame src="frame2.html" style="background-color: 🟩lightgreen;" noresize>
11      </frameset>
12      <frameset cols="50%, 50%" frameborder="0">
13          <frame src="frame3.html" style="background-color: 🟥lightcoral;" noresize>
14          <frame src="frame4.html" style="background-color: ⬜lightyellow;" noresize>
15      </frameset>
16  </frameset>
17  </html>
18
19  <!-- frame1.html -->
20  <!DOCTYPE html>
21  <html lang="en">
22  <body style="background-color: ⬜lightblue;">
23      <h1>Hello World - Frame 1</h1>
24  </body>
25  </html>
26
27  <!-- frame2.html -->
28  <!DOCTYPE html>
29  <html lang="en">
30  <body style="background-color: 🟩lightgreen;">
31      <h1>Hello World - Frame 2</h1>
32  </body>
33  </html>
34
35  <!-- frame3.html -->
36  <!DOCTYPE html>
37  <html lang="en">
38  <body style="background-color: 🟥lightcoral;">
39      <h1>Hello World - Frame 3</h1>
40  </body>
41  </html>
42
43  <!-- frame4.html -->
44  <!DOCTYPE html>
45  <html lang="en">
46  <body style="background-color: ⬜lightyellow;">
47      <h1>Hello World - Frame 4</h1>
48  </body>
49  </html>
50
```

```
10.html > ...
1    <!-- Write a program to create a web page showing the use of inline, internal and External CSS. -->
2    <!DOCTYPE html>
3    <html lang="en">
4    <head>
5        <title>CSS Example</title>
6        <!-- Internal CSS -->
7        <style>
8            body {
9                background-color: lightgray;
10           }
11           h1 {
12               color: darkblue;
13               text-align: center;
14           }
15           p {
16               color: green;
17               font-size: 18px;
18           }
19       </style>
20       <!-- Linking External CSS -->
21       <link rel="stylesheet" href="styles.css">
22    </head>
23    <body>
24        <h1>CSS Example</h1>
25        <!-- Inline CSS -->
26        <p style="color: red;">This is a paragraph with inline CSS (red text).</p>
27        <p>This paragraph is styled with internal CSS (green text).</p>=
28        <div class="external-css">This text is styled using external CSS (blue text).</div>
29    </body>
30    </html>
31
32    <!-- Styles.css -->
33    .external-css {
34        color: blue;
35        font-size: 20px;
36        font-family: Arial, sans-serif;
37    }
```

🟧 11.html > ...

```html
<!--Q.11 Write a program to create a web page showing the use of implementation of BOX model in CSS. -->
<!DOCTYPE html>
<html>
<head>
    <title>CSS Box Model Example</title>
    <style>
        .container {
            width: 300px;
            margin: 20px auto;
            padding: 20px;
            border: 2px solid #3498db;
            background-color: #f0f8ff;
            text-align: center;
        }
        .content-box {
            padding: 15px;
            margin: 10px;
            border: 3px dashed #e74c3c;
            background-color: #ffe4e1;
        }
    </style>
</head>
<body>
    <h2 style="text-align: center;">CSS Box Model Example</h2>
    <div class="container">
        <div class="content-box">
            <p>This is a demonstration of the CSS Box Model.</p>
            <p>The content area has padding, margin, and a border.</p>
        </div>
    </div>
</body>
</html>
```

```html
1    <!--Q12. Write a program to create a web page showing the use of CSS positioning. -->
2    <!DOCTYPE html>
3    <html>
4    <head>
5        <title>CSS Positioning Example</title>
6        <style>
7            .container {
8                position: relative;
9                width: 80%;
10               margin: 20px auto;
11               padding: 20px;
12               border: 2px solid ■#3498db;
13               background-color: □#f0f8ff;
14               height: 300px;
15           }
16           .static-box {
17               position: static;
18               background-color: □#ffebcd;
19               padding: 10px;
20               margin-bottom: 10px;
21           }
22           .relative-box {
23               position: relative;
24               top: 20px;
25               left: 20px;
26               background-color: ▢#add8e6;
27               padding: 10px;
28               margin-bottom: 10px;
29           }
30           .absolute-box {
31               position: absolute;
32               top: 50px;
33               right: 20px;
34               background-color: ■#90ee90;
35               padding: 10px;
36           }
```

```
3    <html>
4    <head>
6        <style>
30           .absolute-box {
33               right: 20px;
34               background-color: ▢#90ee90;
35               padding: 10px;
36           }
37           .fixed-box {
38               position: fixed;
39               bottom: 10px;
40               right: 10px;
41               background-color: ▢#ffb6c1;
42               padding: 10px;
43               border: 2px solid ▢#e74c3c;
44           }
45        </style>
46    </head>
47    <body>
48        <h2 style="text-align: center;">CSS Positioning Example</h2>
49        <div class="container">
50            <div class="static-box">
51                <p>This box is positioned statically (default positioning).</p>
52            </div>
53            <div class="relative-box">
54                <p>This box is positioned relatively (20px from top and left of its normal position).</p>
55            </div>
56            <div class="absolute-box">
57                <p>This box is positioned absolutely (50px from the top and 20px from the right of the container).</p>
58            </div>
59        </div>
60        <div class="fixed-box">
61            <p>This box is positioned fixed (always stays in the same place on the screen).</p>
62        </div>
63    </body>
64    </html>
65
```

```html
11  <html>
15  <body>
17      <form action="#" method="post">
26          <label>Sex:</label>
27          <input type="radio" id="male" name="sex" value="male" required>
28          <label for="male">Male</label>
29          <input type="radio" id="female" name="sex" value="female" required>
30          <label for="female">Female</label>
31          <input type="radio" id="other" name="sex" value="other" required>
32          <label for="other">Other</label><br><br>
33          <label for="dob">Date of birth:</label>
34          <select id="day" name="day" required>
35              <option value="">Day</option>
36          </select>
37          <select id="month" name="month" required>
38              <option value="">Month</option>
39          </select>
40          <select id="year" name="year" required>
41              <option value="">Year</option>
42          </select><br><br>
43          <label>Languages known:</label>
44          <input type="checkbox" id="english" name="languages" value="english">
45          <label for="english">English</label>
46          <input type="checkbox" id="telugu" name="languages" value="telugu">
47          <label for="telugu">Telugu</label>
48          <input type="checkbox" id="hindi" name="languages" value="hindi">
49          <label for="hindi">Hindi</label>
50          <input type="checkbox" id="tamil" name="languages" value="tamil">
51          <label for="tamil">Tamil</label><br><br>
52          <label for="address">Address:</label><br>
53          <textarea id="address" name="address" rows="4" required></textarea><br><br>
54          <button type="submit">Register</button>
55      </form>
56  </body>
57  </html>
58
```

```html
1  <!--Q15 Write a program to create a "registration form "with the following fields
2  Name (Text field)
3  Password (password field)
4  E-mail id (text field)
5  Phone number (text field)
6  Sex (radio button)
7  Date of birth (3 select boxes)
8  Languages known (check boxes - English, Telugu, Hindi, Tamil)
9  Address (text area) -->
10 <!DOCTYPE html>
11 <html>
12 <head>
13     <title>Registration Form</title>
14 </head>
15 <body>
16     <h2>Registration Form</h2>
17     <form action="#" method="post">
18         <label for="name">Name:</label>
19         <input type="text" id="name" name="name" required><br><br>
20         <label for="password">Password:</label>
21         <input type="password" id="password" name="password" required><br><br>
22         <label for="email">E-mail id:</label>
23         <input type="email" id="email" name="email" required><br><br>
24         <label for="phone">Phone number:</label>
25         <input type="tel" id="phone" name="phone" required><br><br>
26         <label>Sex:</label>
27         <input type="radio" id="male" name="sex" value="male" required>
28         <label for="male">Male</label>
29         <input type="radio" id="female" name="sex" value="female" required>
30         <label for="female">Female</label>
31         <input type="radio" id="other" name="sex" value="other" required>
32         <label for="other">Other</label><br><br>
33         <label for="dob">Date of birth:</label>
```