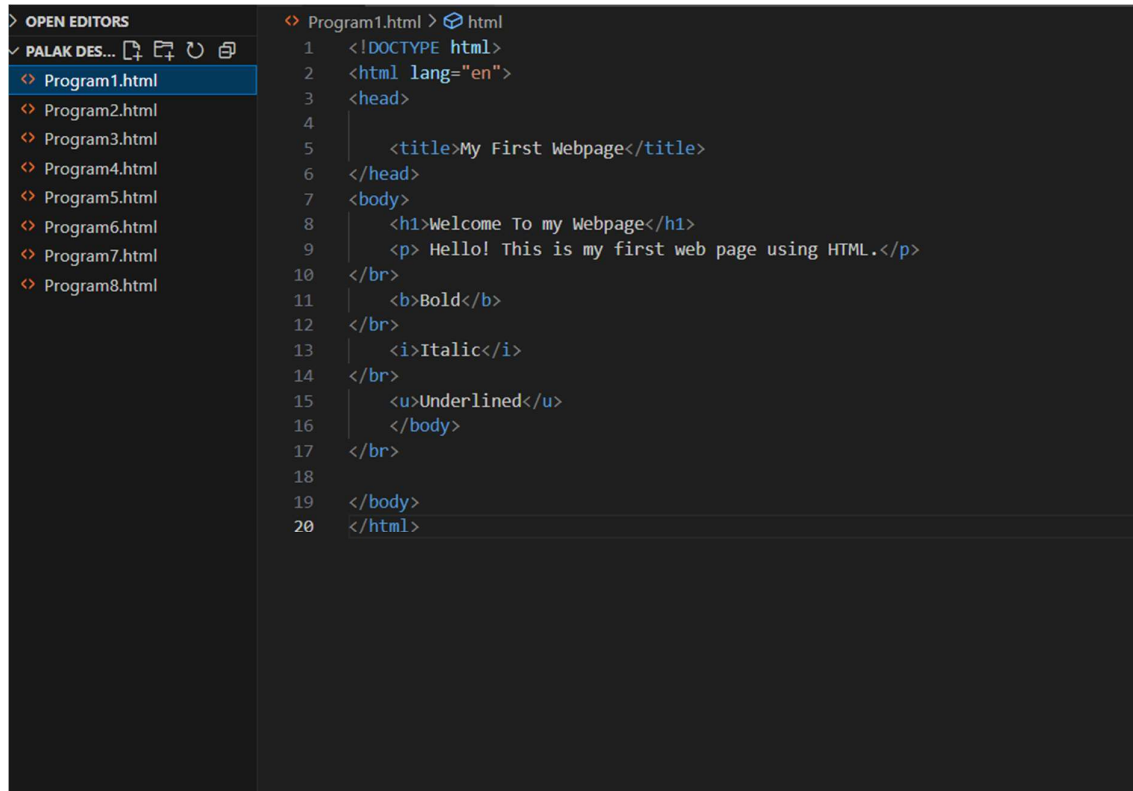
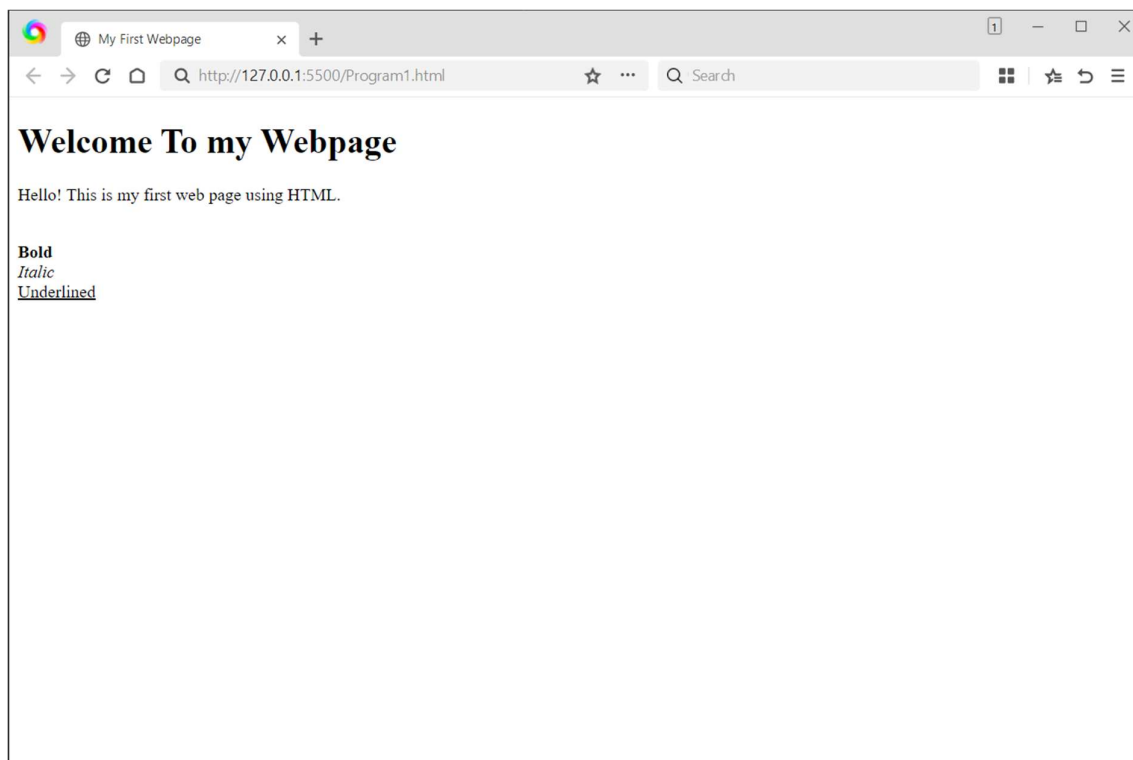


1.Create +C46: C65a basic HTML web page using headings, paragraph and text formatting tags.

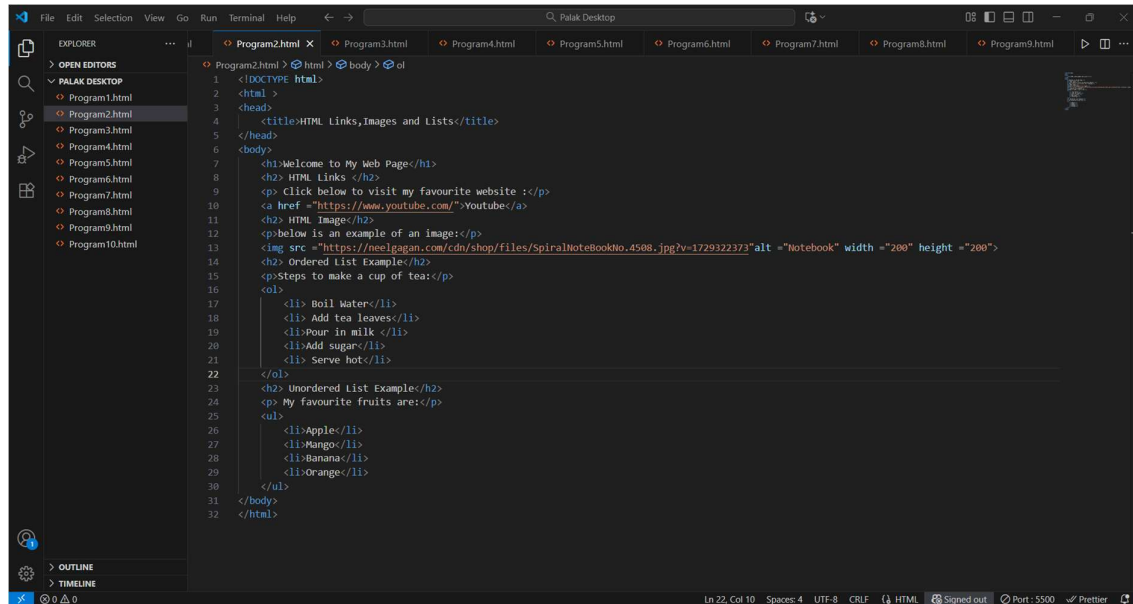


```
Program1.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4
5     <title>My First Webpage</title>
6 </head>
7 <body>
8     <h1>Welcome To my Webpage</h1>
9     <p> Hello! This is my first web page using HTML.</p>
10 </br>
11     <b>Bold</b>
12 </br>
13     <i>Italic</i>
14 </br>
15     <u>Underlined</u>
16 </body>
17 </br>
18
19 </body>
20 </html>
```

OUTPUT



2.Design a webpage demonstrating HTML links, images and lists (ordered, unordered, nested)



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>HTML Links,Images and Lists</title>
5 </head>
6 <body>
7 <h1>Welcome to My Web Page</h1>
8 <h2> HTML Links </h2>
9 <p> Click below to visit my favourite website :</p>
10 <a href = "https://www.youtube.com/">Youtube</a>
11 <h2> HTML Images</h2>
12 <p>below is an example of an image:</p>
13 <img src = "https://neelgagan.com/cdn/shop/files/SpiralNoteBookNo.4588.jpg?v=1729322373" alt = "Notebook" width = "280" height = "280">
14 <h2> Ordered List Example</h2>
15 <p>Steps to make a cup of tea:</p>
16 <ol>
17 <li> Boil Water</li>
18 <li> Add tea leaves</li>
19 <li>Pour in milk </li>
20 <li>Add sugar</li>
21 <li> Serve hot</li>
22 </ol>
23 <h2> Unordered List Example</h2>
24 <p> My favourite fruits are:</p>
25 <ul>
26 <li>Apple</li>
27 <li>Mango</li>
28 <li>Banana</li>
29 <li>Orange</li>
30 </ul>
31 </body>
32 </html>
```

OUTPUT



Welcome to My Web Page

HTML Links

Click below to visit my favourite website :

[Youtube](https://www.youtube.com/)

HTML Image

below is an example of an image:



Ordered List Example

Steps to make a cup of tea:

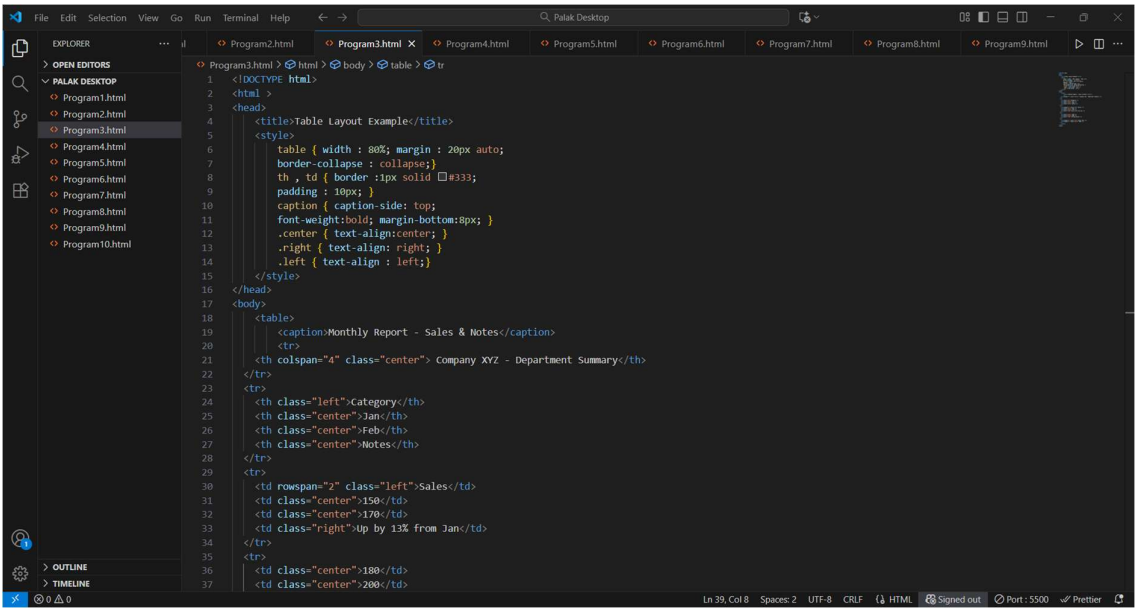
1. Boil Water
2. Add tea leaves
3. Pour in milk
4. Add sugar
5. Serve hot

Unordered List Example

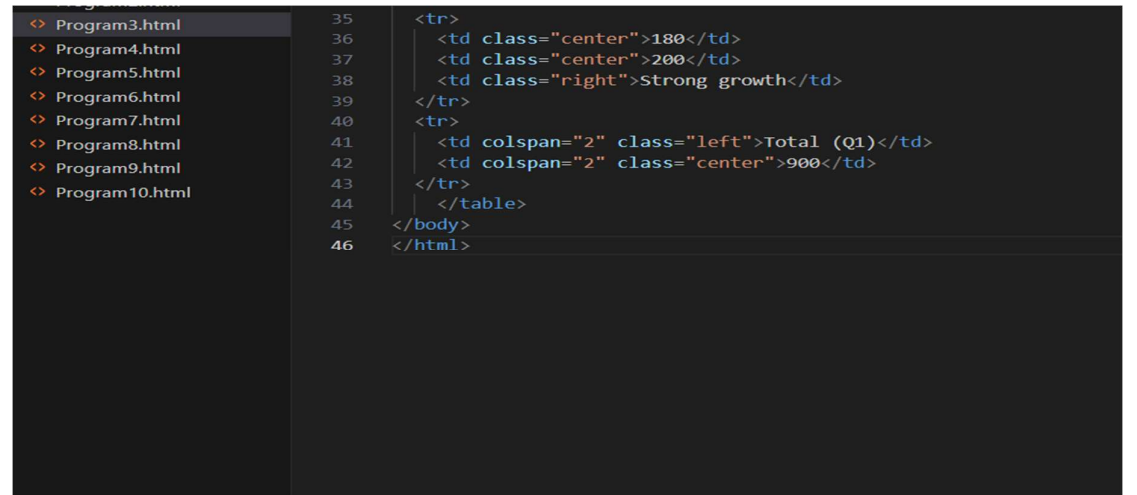
My favourite fruits are:

- Apple
- Mango
- Banana
- Orange

3.Create a table- based layout with merged cells, alignment, and caption using HTML.

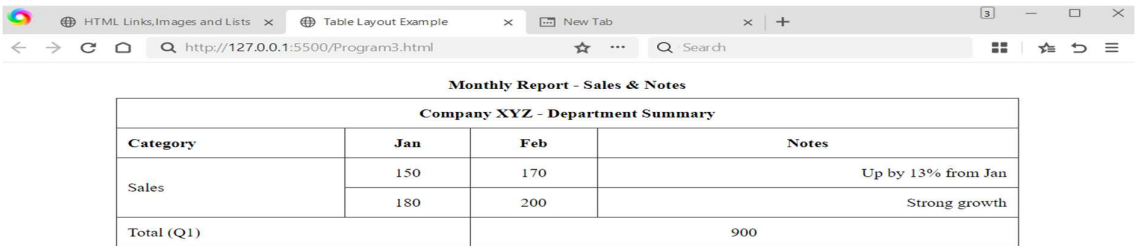


```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Table Layout Example</title>
5 <style>
6 table { width : 80%; margin : 20px auto;
7 border-collapse : collapse;
8 th , td { border :1px solid #333;
9 padding : 10px; }
10 caption { caption-side: top;
11 font-weight:bold; margin-bottom:8px; }
12 .center { text-align:center; }
13 .right { text-align: right; }
14 .left { text-align: left;}
15 </style>
16 </head>
17 <body>
18 <table>
19 <caption>Monthly Report - Sales & Notes</caption>
20 <tr>
21 <th colspan="4" class="center"> Company XYZ - Department Summary</th>
22 </tr>
23 <tr>
24 <th class="left">Category</th>
25 <th class="center">Jan</th>
26 <th class="center">Feb</th>
27 <th class="center">Notes</th>
28 </tr>
29 <tr>
30 <td rowspan="2" class="left">Sales</td>
31 <td class="center">150</td>
32 <td class="center">170</td>
33 <td class="right">Up by 13% from Jan</td>
34 </tr>
35 <tr>
36 <td class="center">180</td>
37 <td class="center">200</td>
```



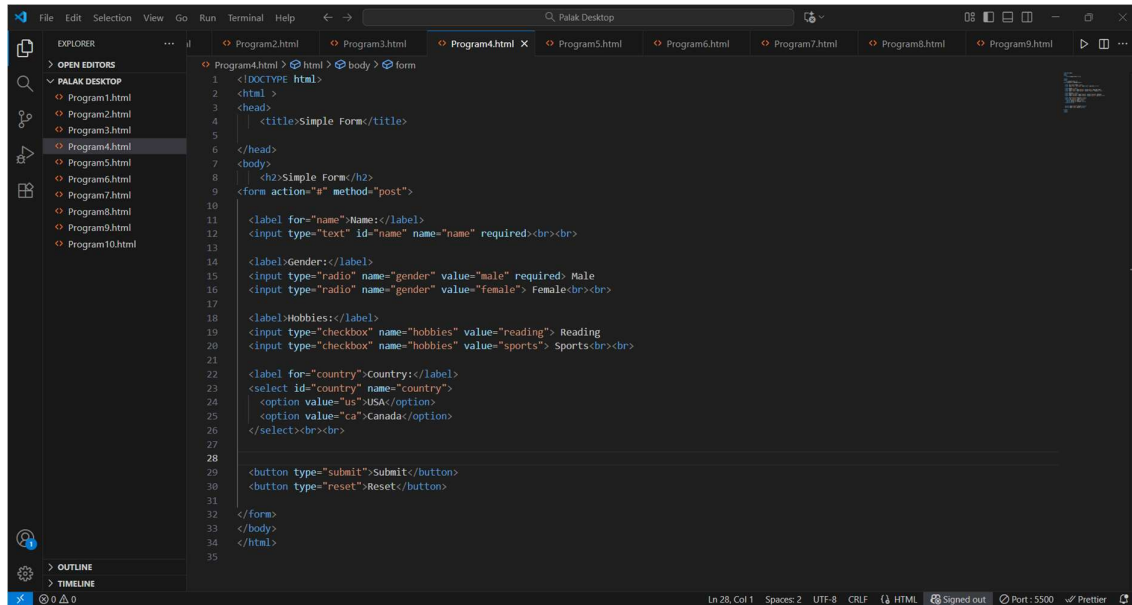
```
35 <tr>
36 <td class="center">180</td>
37 <td class="center">200</td>
38 <td class="right">Strong growth</td>
39 </tr>
40 <tr>
41 <td colspan="2" class="left">Total (Q1)</td>
42 <td colspan="2" class="center">900</td>
43 </tr>
44 </table>
45 </body>
46 </html>
```

OUTPUT



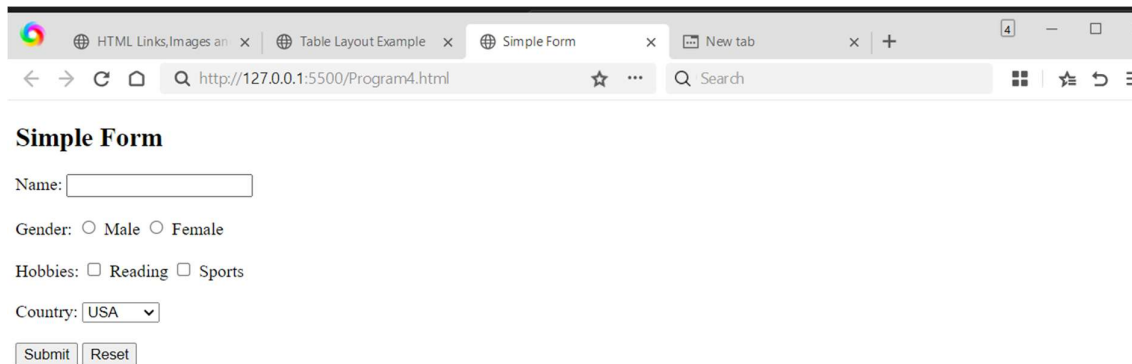
Company XYZ - Department Summary			
Category	Jan	Feb	Notes
Sales	150	170	Up by 13% from Jan
	180	200	Strong growth
Total (Q1)		900	

4. Design a webpage with an HTML form having text input, radio buttons, checkboxes, select menus, and submit/reset buttons.



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Simple Form</title>
5 </head>
6 <body>
7   <h2>Simple Form</h2>
8   <form action="#" method="post">
9     <label for="name">Name:</label>
10    <input type="text" id="name" name="name" required><br><br>
11    <label>Gender:</label>
12    <input type="radio" name="gender" value="male" required> Male
13    <input type="radio" name="gender" value="female"> Female<br><br>
14    <label>Hobbies:</label>
15    <input type="checkbox" name="hobbies" value="reading"> Reading
16    <input type="checkbox" name="hobbies" value="sports"> Sports<br><br>
17    <label for="country">Country:</label>
18    <select id="country" name="country">
19      <option value="us">USA</option>
20      <option value="ca">Canada</option>
21    </select><br><br>
22    <button type="submit">Submit</button>
23    <button type="reset">Reset</button>
24  </form>
25 </body>
26 </html>
```

OUTPUT



Simple Form

Name:

Gender: ☐ Male ☐ Female

Hobbies: ☐ Reading ☐ Sports

Country:

5. Use semantic elements (<article>, <section>, <nav>, <aside>, <footer>) to build a structured web page.

OPEN EDITORS

PALAK DESKTOP

Program1.html

Program2.html

Program3.html

Program4.html

Program5.html

Program6.html

Program7.html

Program8.html

OUTLINE

TIMELINE

Program5.html ? ...

```
1  <!DOCTYPE html>
2  <html >
3  <head>
4
5      <title>Semantic Web Page</title>
6      <style>
7          body {
8              font-family: Arial, sans-serif;
9              margin: 0;
10         }
11         header, nav, section, article, aside, footer {
12             padding: 15px;
13             margin: 10px;
14             border: 1px solid #ccc;
15         }
16         nav {
17             background-color: #f0f0f0;
18         }
19         section {
20             background-color: #fafafa;
21         }
22         aside {
23             background-color: #f9f9f9;
24         }
25         footer {
26             background-color: #eee;
27             text-align: center;
28         }
29     </style>
30 </head>
31 <body>
32
33 <header>
34     <h1>My Semantic Web Page</h1>
35 </header>
36
37 <nav>
```

```

37 </nav>
38 <a href="#">Home</a> |
39 <a href="#">About</a> |
40 <a href="#">Contact</a>
41 </nav>
42
43 <main>
44 <section>
45 <h2>Main Content Section</h2>
46 <article>
47 <h3>Article 1</h3>
48 <p>This is the first article. It contains useful content.</p>
49 </article>
50
51 <article>
52 <h3>Article 2</h3>
53 <p>This is the second article with more information.</p>
54 </article>
55 </section>
56
57 <aside>
58 <h3>Sidebar</h3>
59 <p>This is some additional info or links in the sidebar.</p>
60 </aside>
61 </main>
62
63 <footer>
64 <p>© 2025 My Website. All rights reserved.</p>
65 </footer>
66
67 </body>
68 </html>
69

```

OUTPUT

http://127.0.0.1:5500/Program5.html

☆

...

Q

Search

My Semantic Web Page

[Home](#)

[About](#)

[Contact](#)

Main Content Section

Article 1

This is the first article. It contains useful content.

Article 2

This is the second article with more information.

Sidebar

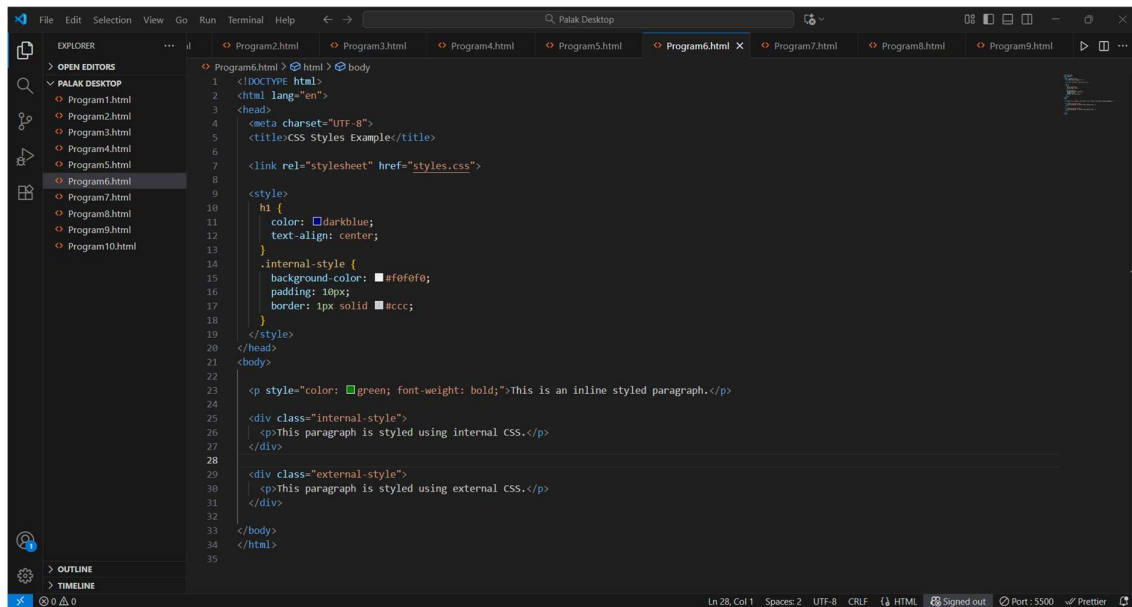
This is some additional info or links in the sidebar.

Sidebar

This is some additional info or links in the sidebar.

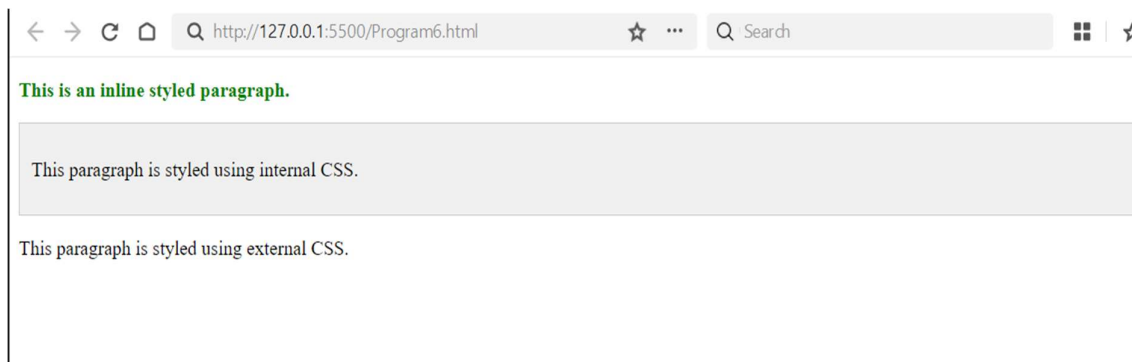
© 2025 My Website. All rights reserved.

6. Apply Inline, Internal, and External CSS styles to HTML elements.

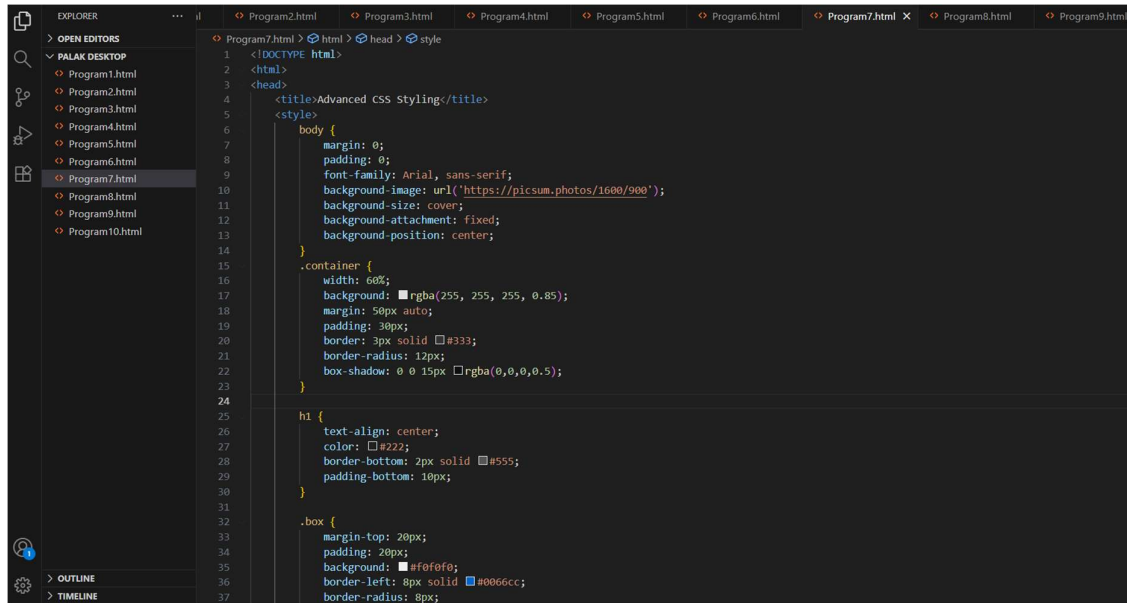


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>CSS Styles Example</title>
6   <link rel="stylesheet" href="styles.css">
7
8   <style>
9     hi {
10       color: darkblue;
11       text-align: center;
12     }
13     .internal-style {
14       background-color: #f0f0f0;
15       padding: 10px;
16       border: 1px solid #ccc;
17     }
18   </style>
19 </head>
20 <body>
21
22   <p style="color: green; font-weight: bold;">This is an inline styled paragraph.</p>
23
24   <div class="internal-style">
25     <p>This paragraph is styled using internal CSS.</p>
26   </div>
27
28   <div class="external-style">
29     <p>This paragraph is styled using external CSS.</p>
30   </div>
31
32 </body>
33 </html>
```

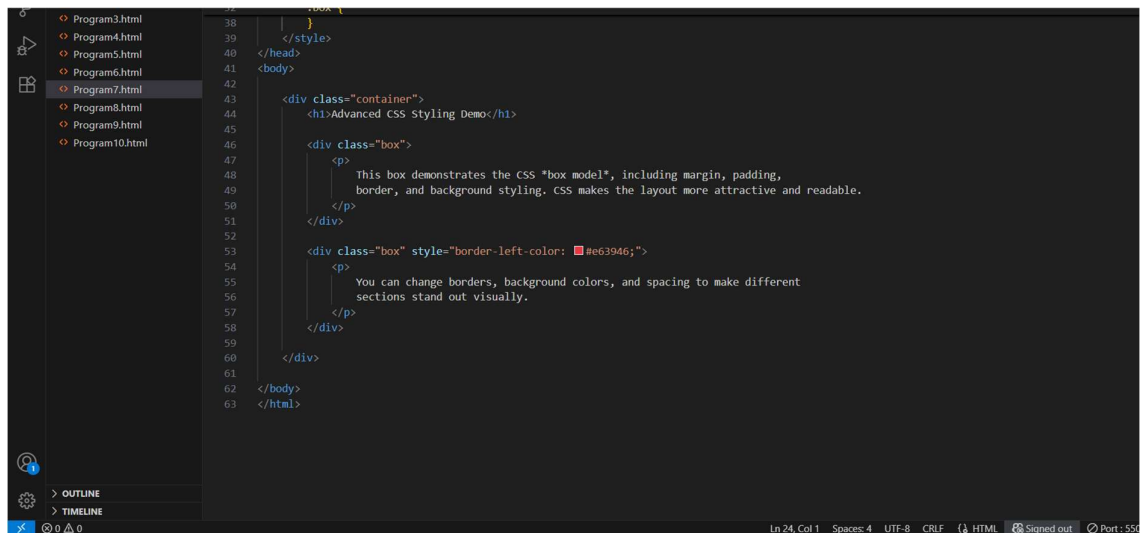
OUTPUT



7.Style a web page using advanced CSS: Box Model, background images, borders, margins, and padding.

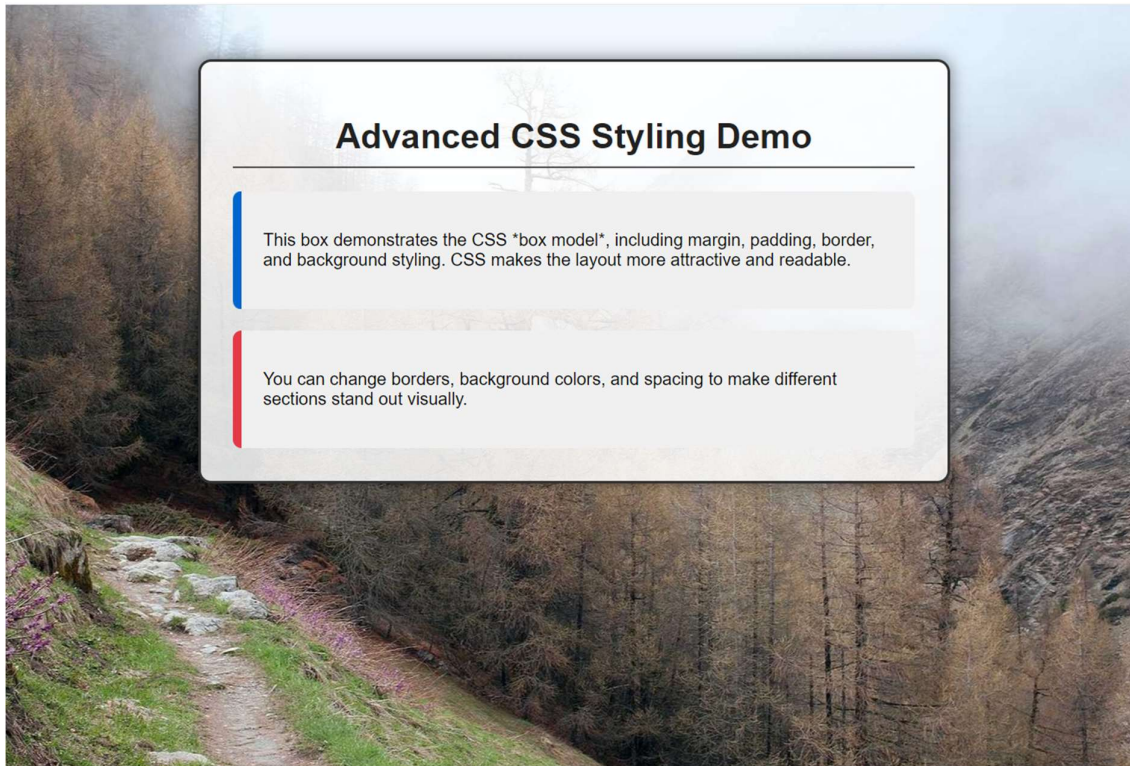


```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Advanced CSS Styling</title>
5   <style>
6     body {
7       margin: 0;
8       padding: 0;
9       font-family: Arial, sans-serif;
10      background-image: url('https://picsum.photos/1600/900');
11      background-size: cover;
12      background-attachment: fixed;
13      background-position: center;
14    }
15    .container {
16      width: 60%;
17      background: linear-gradient(to right, #255, #255, #255, 0.85);
18      margin: 50px auto;
19      padding: 30px;
20      border: 3px solid #333;
21      border-radius: 12px;
22      box-shadow: 0 0 15px #000;
23    }
24
25    h1 {
26      text-align: center;
27      color: #222;
28      border-bottom: 2px solid #555;
29      padding-bottom: 10px;
30    }
31
32    .box {
33      margin-top: 20px;
34      padding: 20px;
35      background: #f0f0f0;
36      border-left: 8px solid #0066cc;
37      border-radius: 8px;
```



```
38   }
39   </style>
40 </head>
41 <body>
42
43   <div class="container">
44     <h1>Advanced CSS Styling Demo</h1>
45
46     <div class="box">
47       <p>
48         This box demonstrates the CSS "box model", including margin, padding,
49         border, and background styling. CSS makes the layout more attractive and readable.
50       </p>
51     </div>
52
53     <div class="box" style="border-left-color: #e63946;">
54       <p>
55         You can change borders, background colors, and spacing to make different
56         sections stand out visually.
57       </p>
58     </div>
59
60   </div>
61
62 </body>
63 </html>
```


OUTPUT



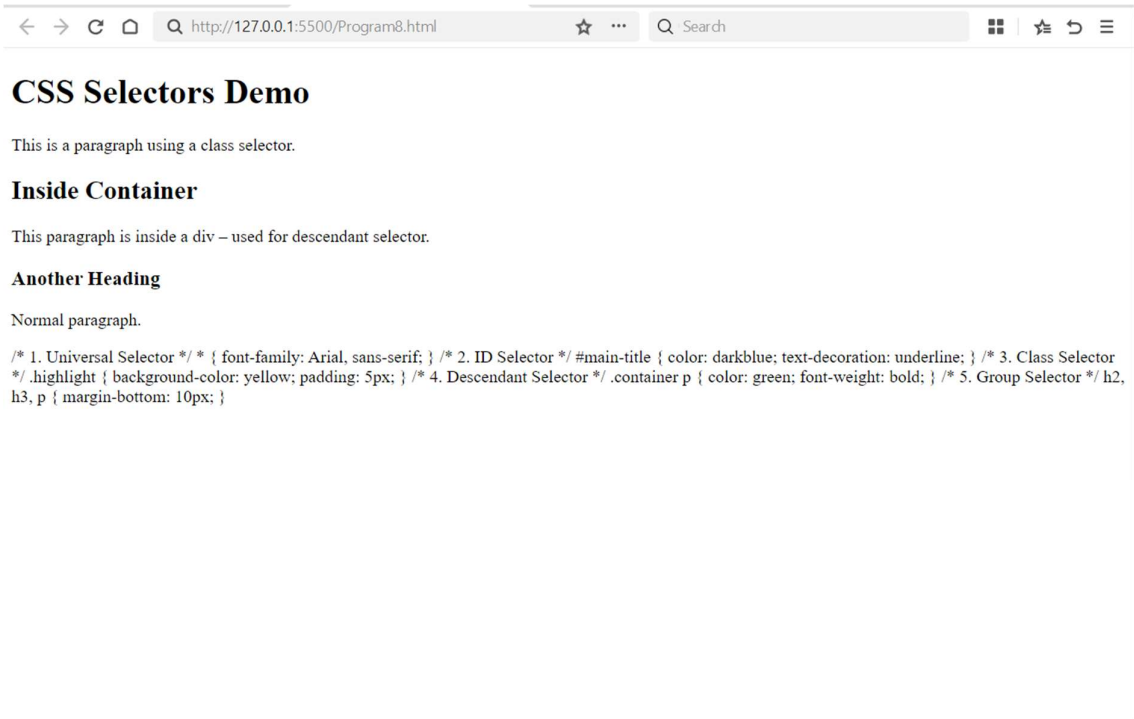
8. Demonstrate the use of different CSS selectors (class, id descendant, group,)

```
OPEN EDITORS
PALAK DESKTOP
Program1.html
Program2.html
Program3.html
Program4.html
Program5.html
Program6.html
Program7.html
Program8.html

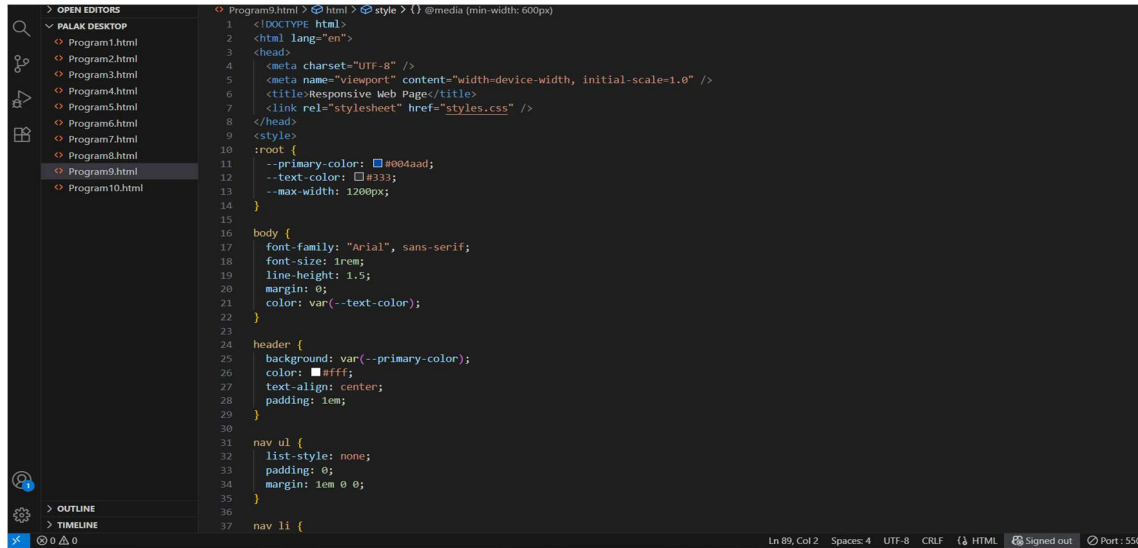
Program8.html > html > body
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <link rel="stylesheet" href="style.css">
5 </head>
6 <body>
7
8   <h1 id="main-title">CSS Selectors Demo</h1>
9
10  <p class="highlight">This is a paragraph using a class selector.</p>
11
12  <div class="container">
13    <h2>Inside Container</h2>
14    <p>This paragraph is inside a div used for descendant selector.</p>
15  </div>
16
17  <h3>Another Heading</h3>
18  <p>Normal paragraph.</p>
19  /* 1. Universal Selector */
20  * {
21    font-family: Arial, sans-serif;
22  }
23
24  /* 2. ID Selector */
25  #main-title {
26    color: darkblue;
27    text-decoration: underline;
28  }
29
30  /* 3. Class Selector */
31  .highlight {
32    background-color: yellow;
33    padding: 5px;
34  }
35
36  /* 4. Descendant Selector */
37  .container p {
38
39    /* 4. Descendant Selector */
40
41    color: green;
42    font-weight: bold;
43  }
44
45  /* 5. Group Selector */
46  h2, h3, p {
47    margin-bottom: 10px;
48  }
49
50 </body>
51 </html>
```

Ln 34, Col 2 Spaces: 4 UTF-8 CRLF {

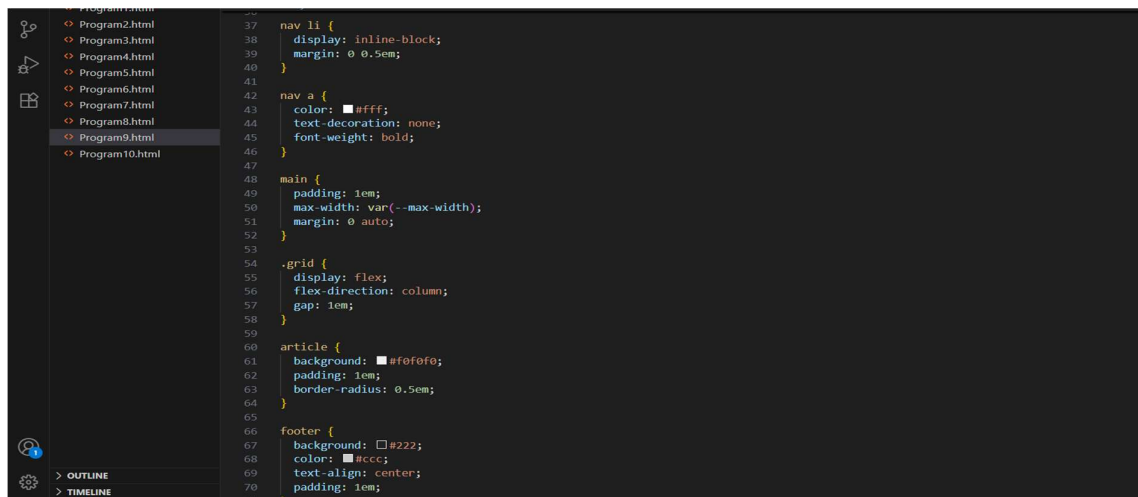
OUTPUT



9. Create a responsive web page using web page using media queries and mobile – first design with flexible units.



```
Program9.html > <html> <style> {} @media (min-width: 600px)
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8" />
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <title>Responsive Web Page</title>
7   <link rel="stylesheet" href="styles.css" />
8 </head>
9 <style>
10 :root {
11   --primary-color: #004aad;
12   --text-color: #333;
13   --max-width: 1200px;
14 }
15
16 body {
17   font-family: "Arial", sans-serif;
18   font-size: 1rem;
19   line-height: 1.5;
20   margin: 0;
21   color: var(--text-color);
22 }
23
24 header {
25   background: var(--primary-color);
26   color: #fff;
27   text-align: center;
28   padding: 1em;
29 }
30
31 nav ul {
32   list-style: none;
33   padding: 0;
34   margin: 1em 0 0;
35 }
36
37 nav li {
```



```

37 nav li {
38   display: inline-block;
39   margin: 0 0.5em;
40 }
41
42 nav a {
43   color: #fff;
44   text-decoration: none;
45   font-weight: bold;
46 }
47
48 main {
49   padding: 1em;
50   max-width: var(--max-width);
51   margin: 0 auto;
52 }
53
54 .grid {
55   display: flex;
56   flex-direction: column;
57   gap: 1em;
58 }
59
60 article {
61   background: #f0f0f0;
62   padding: 1em;
63   border-radius: 0.5em;
64 }
65
66 footer {
67   background: #222;
68   color: #ccc;
69   text-align: center;
70   padding: 1em;
71 }
```

```
Program2.html
Program3.html
Program4.html
Program5.html
Program6.html
Program7.html
Program8.html
Program9.html
Program10.html

71 }
72
73 @media (min-width: 600px) {
74   nav ul {
75     display: flex;
76     justify-content: center;
77     margin-top: 0.5em;
78   }
79
80   .grid {
81     flex-direction: row;
82     flex-wrap: wrap;
83     gap: 2%;
84   }
85
86   article {
87     flex: 1 1 48%;
88   }
89 }
90 @media (min-width: 900px) {
91   header {
92     text-align: left;
93     padding: 1.5em 2em;
94   }
95
96   nav ul {
97     justify-content: flex-end;
98   }
99
100   .grid {
101     flex-wrap: nowrap;
102   }
103
104   article {
```

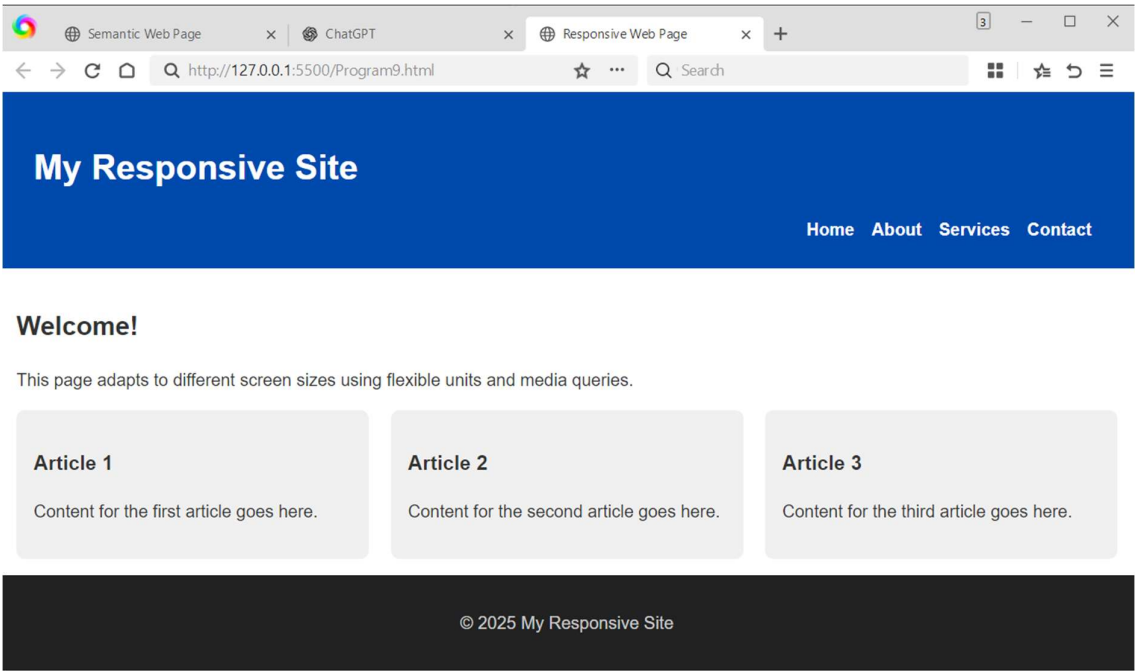
Ln 89, Col 2 Spaces: 4 UTF-8 CRLF HTML

```
85
86 article {
87   flex: 1 1 48%;
88 }
89 }
90 @media (min-width: 900px) {
91   header {
92     text-align: left;
93     padding: 1.5em 2em;
94   }
95
96   nav ul {
97     justify-content: flex-end;
98   }
99
100   .grid {
101     flex-wrap: nowrap;
102   }
103
104   article {
105     flex: 1 1 30%;
106   }
107 }
108 </style>
109 <body>
110 <header>
111 <h1>My Responsive Site</h1>
112 <nav>
113 <ul>
114 <li><a href="#">Home</a></li>
115 <li><a href="#">About</a></li>
116 <li><a href="#">Services</a></li>
117 <li><a href="#">Contact</a></li>
118 </ul>
```

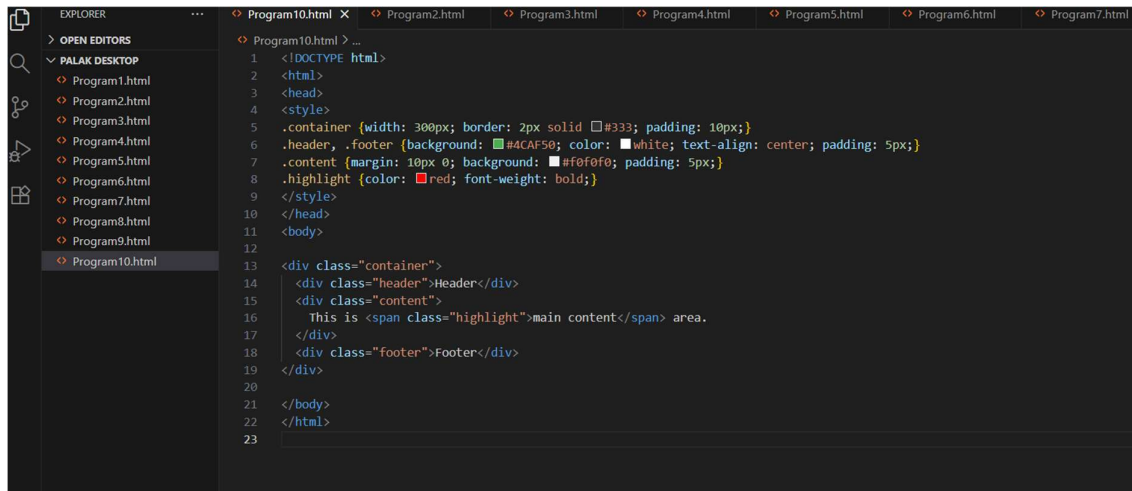
```
118 </ul>
119 </nav>
120 </header>
121
122 <main>
123 <section class="intro">
124 <h2>Welcome!</h2>
125 <p>
126   This page adapts to different screen sizes using flexible units and media queries.
127 </p>
128 </section>
129 <section class="grid">
130 <article>
131 <h3>Article 1</h3>
132 <p>Content for the first article goes here.</p>
133 </article>
134 <article>
135 <h3>Article 2</h3>
136 <p>Content for the second article goes here.</p>
137 </article>
138 <article>
139 <h3>Article 3</h3>
140 <p>Content for the third article goes here.</p>
141 </article>
142 </section>
143 </main>
144 <footer>
145 <p>&copy; 2025 My Responsive Site</p>
146 </footer>
147 </body>
148 </html>
149
```

Ln 128, Col 15 Spaces: 4 UTF-8 CRLF HTML Signed out

OUTPUT



10. Use div and span elements for layout and styling with CSS.



The screenshot shows the Visual Studio Code editor interface. On the left, the Explorer sidebar shows a project named 'PALAK DESKTOP' with several HTML files. 'Program10.html' is selected. The main editor area displays the code for 'Program10.html'. The code includes a DOCTYPE declaration, a head section with a style block, and a body section with three div elements: 'header', 'content', and 'footer'. The 'content' div contains a span with the class 'highlight' and the text 'main content area'.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <style>
5 .container {width: 300px; border: 2px solid #333; padding: 10px;}
6 .header, .footer {background: #4CAF50; color: white; text-align: center; padding: 5px;}
7 .content {margin: 10px 0; background: #f0f0f0; padding: 5px;}
8 .highlight {color: red; font-weight: bold;}
9 </style>
10 </head>
11 <body>
12
13 <div class="container">
14 <div class="header">Header</div>
15 <div class="content">
16 This is <span class="highlight">main content</span> area.
17 </div>
18 <div class="footer">Footer</div>
19 </div>
20
21 </body>
22 </html>
23
```

Output:

