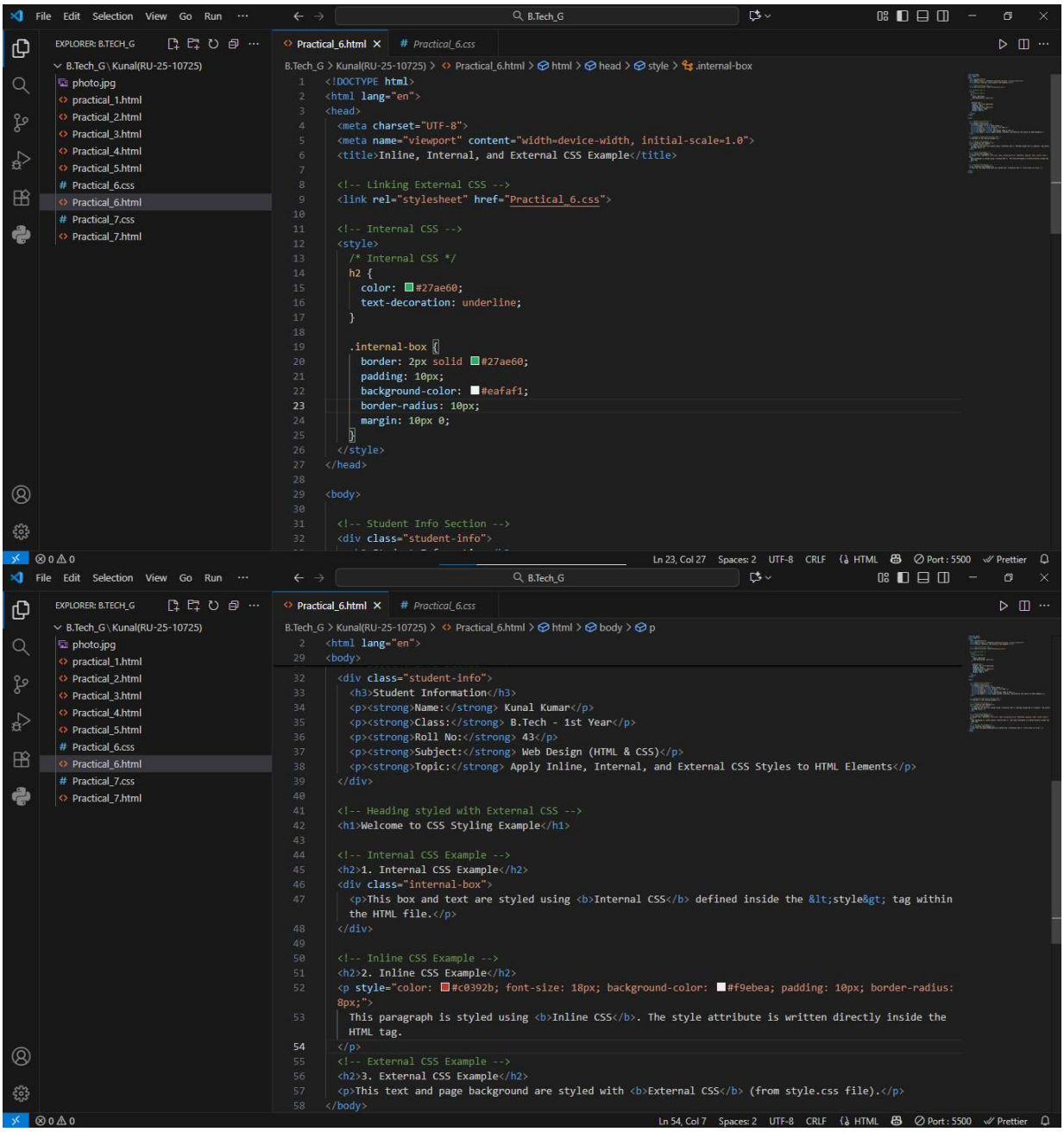
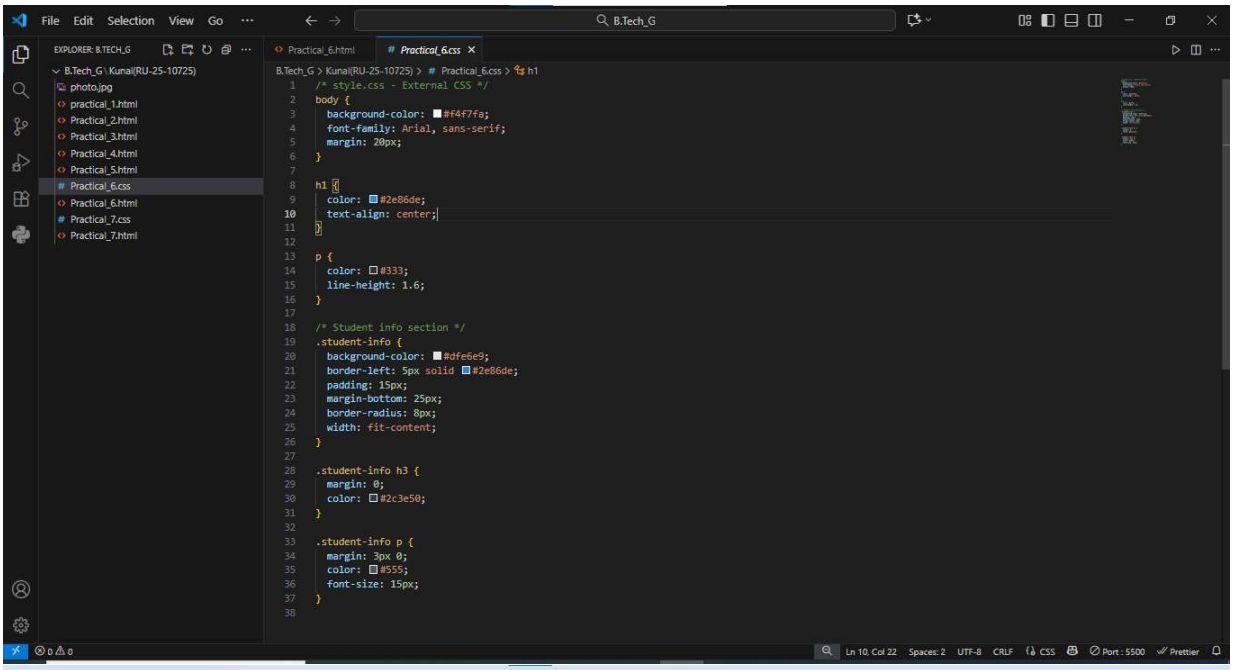
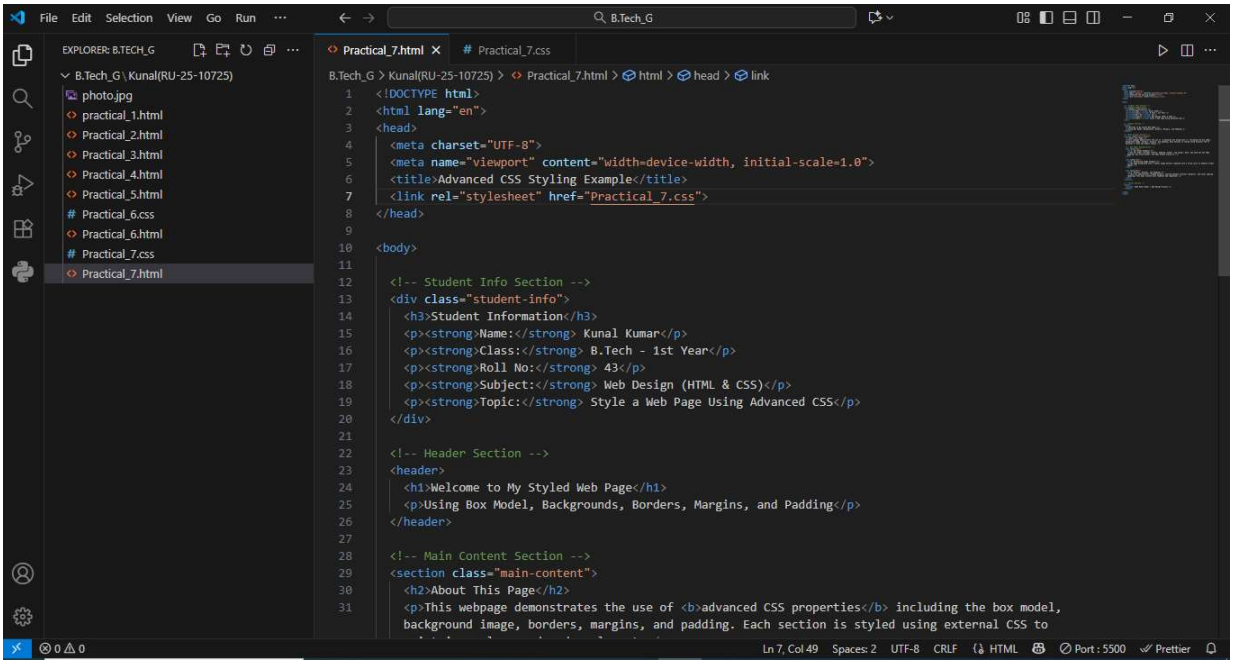
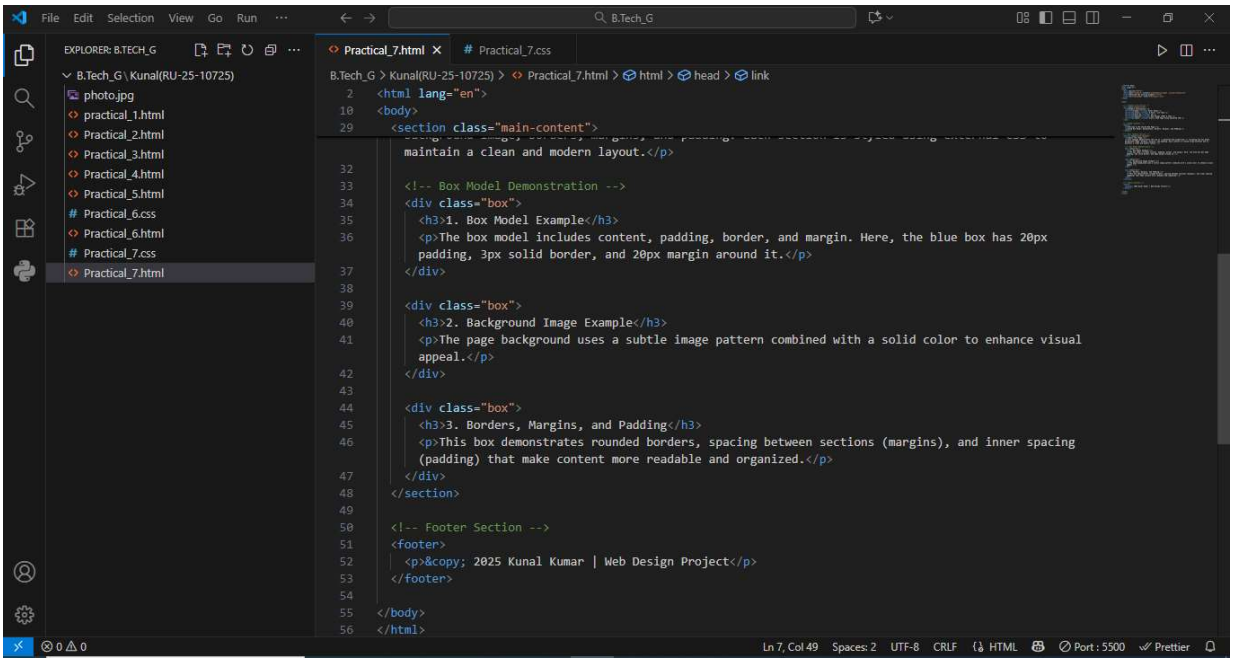
6. Apply Inline, Internal, and External CSS styles to HTML elements.

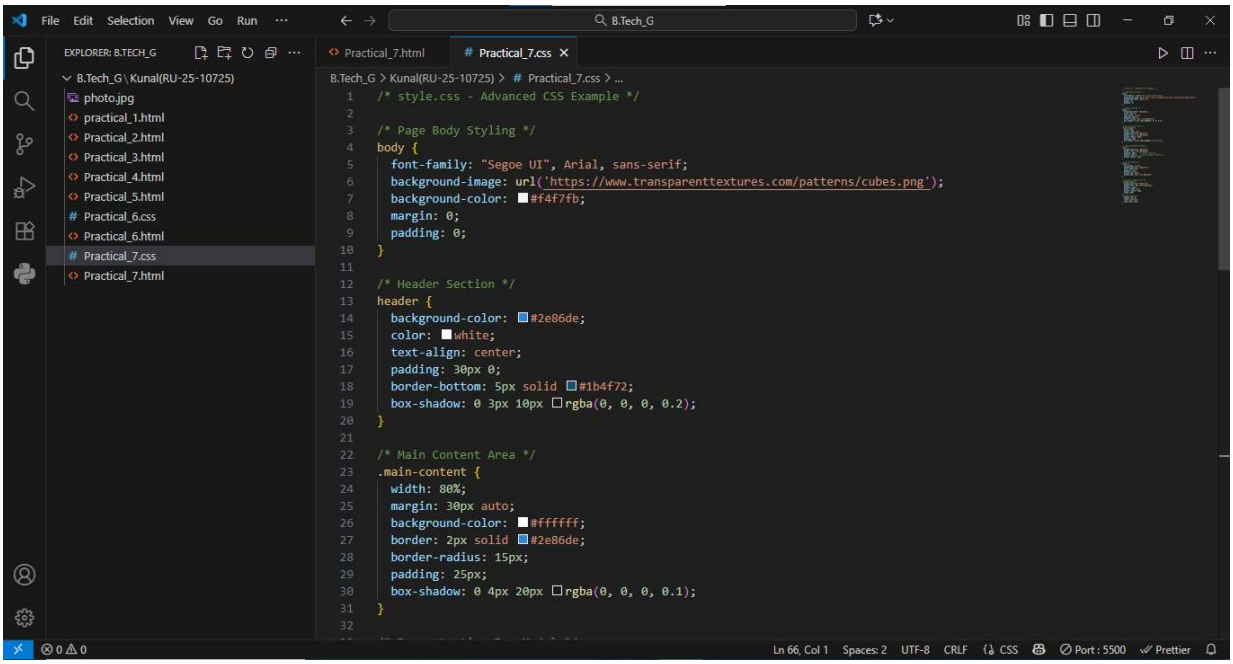



File Edit Selection View Go
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_6.html
Practical_6.css
B.Tech_G > Kunal(RU-25-10725) > Practical_6.css > h1
/* style.css - External CSS */
body {
background-color: #f4f7fa;
font-family: Arial, sans-serif;
margin: 20px;
}
h1 {
color: #2e86de;
text-align: center;
}
p {
color: #333;
line-height: 1.6;
}
/* Student info section */
.student-info {
background-color: #dfe6e9;
border-left: 5px solid #2e86de;
padding: 15px;
margin-bottom: 25px;
border-radius: 8px;
width: fit-content;
}
.student-info h3 {
margin: 0;
color: #2c3e50;
}
.student-info p {
margin: 3px 0;
color: #555;
font-size: 15px;
}
Ln 10, Col 22 Spaces: 2 UTF-8 CRLF CSS Port : 5500 Prettier
Inline, Internal, and External CS
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_6.html
Student Information
Name: Kunal Kumar
Class: B.Tech - 1st Year
Roll No: 43
Subject: Web Design (HTML & CSS)
Topic: Apply Inline, Internal, and External CSS Styles to HTML Elements
Welcome to CSS Styling Example
1. Internal CSS Example
This box and text are styled using Internal CSS defined inside the <style> tag within the HTML file.
2. Inline CSS Example
This paragraph is styled using Inline CSS. The style attribute is written directly inside the HTML tag.
3. External CSS Example
This text and page background are styled with External CSS (from style.css file).

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






File Edit Selection View Go Run
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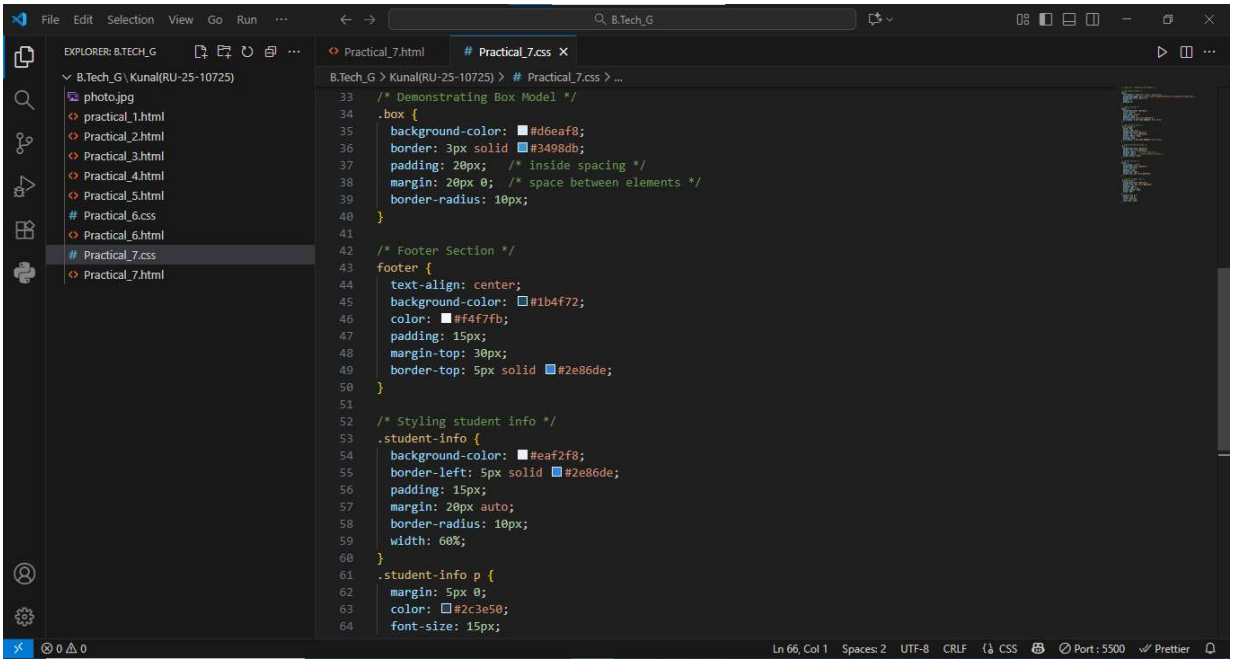
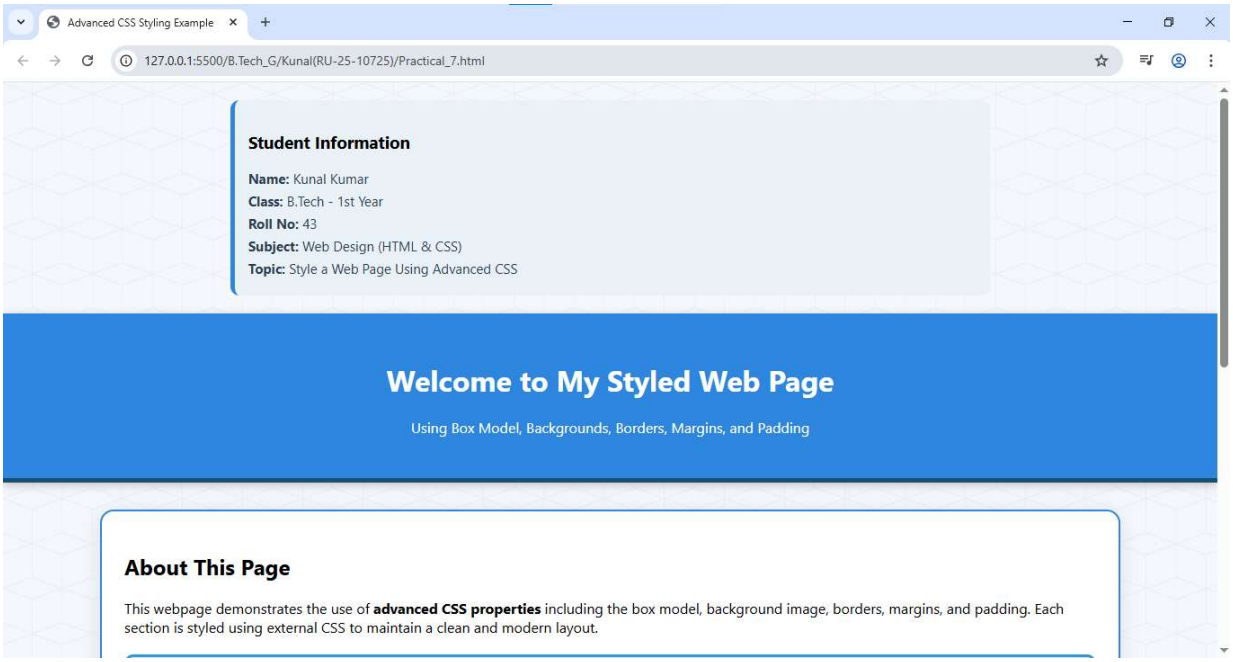
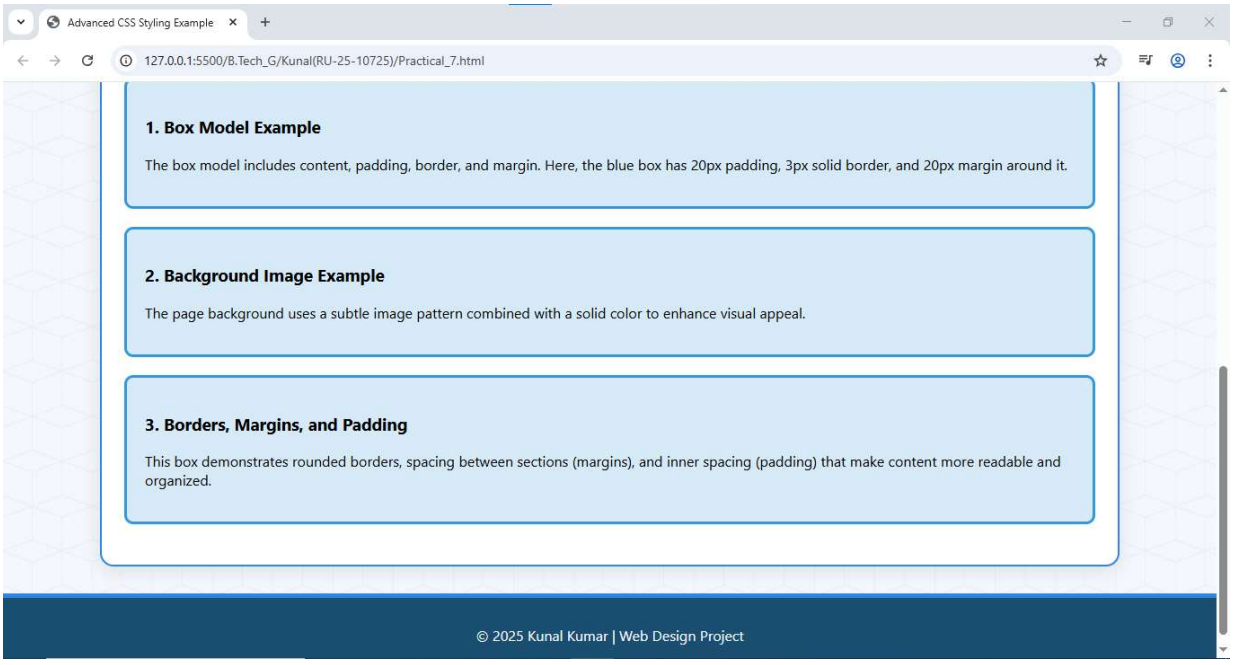
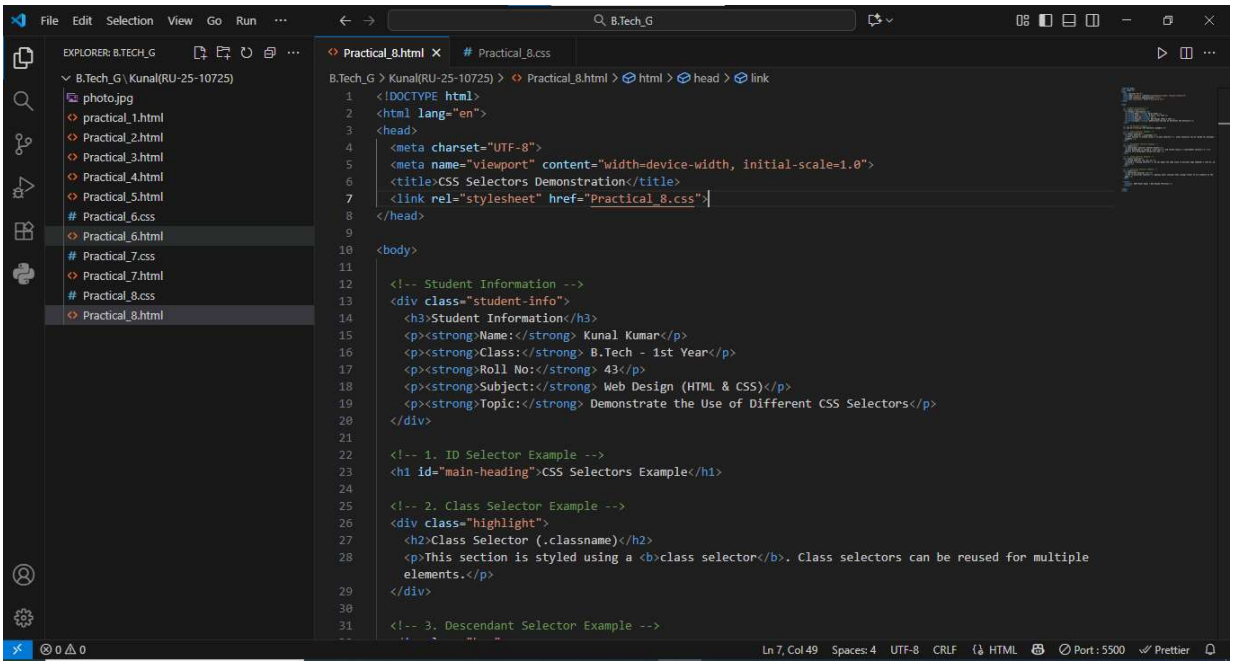
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_7.html
Practical_7.css
B.Tech_G > Kunal(RU-25-10725) > Practical_7.css > ...
/* style.css - Advanced CSS Example */
/* Page Body Styling */
body {
font-family: "Segoe UI", Arial, sans-serif;
background-image: url('https://www.transparenttextures.com/patterns/cubes.png');
background-color: #f4f7fb;
margin: 0;
padding: 0;
}
/* Header Section */
header {
background-color: #2e86de;
color: white;
text-align: center;
padding: 30px 0;
border-bottom: 5px solid #1b4f72;
box-shadow: 0 3px 10px rgba(0, 0, 0, 0.2);
}
/* Main Content Area */
.main-content {
width: 80%;
margin: 30px auto;
background-color: #ffffff;
border: 2px solid #2e86de;
border-radius: 15px;
padding: 25px;
box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
}
0 0
Ln 66, Col 1 Spaces: 2 UTF-8 CRLF CSS Port : 5500 Prettier


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_7.html
Practical_7.css
B.Tech_G > Kunal(RU-25-10725) > Practical_7.css > ...
/* Demonstrating Box Model */
.box {
background-color: #d6eaf8;
border: 3px solid #3498db;
padding: 20px; /* inside spacing */
margin: 20px 0; /* space between elements */
border-radius: 10px;
}
/* Footer Section */
footer {
text-align: center;
background-color: #1b4f72;
color: #f4f7fb;
padding: 15px;
margin-top: 30px;
border-top: 5px solid #2e86de;
}
/* Styling student info */
.student-info {
background-color: #eaf2f8;
border-left: 5px solid #2e86de;
padding: 15px;
margin: 20px auto;
border-radius: 10px;
width: 60%;
}
.student-info p {
margin: 5px 0;
color: #2c3e50;
font-size: 15px;
0 0
Ln 66, Col 1 Spaces: 2 UTF-8 CRLF CSS Port : 5500 Prettier

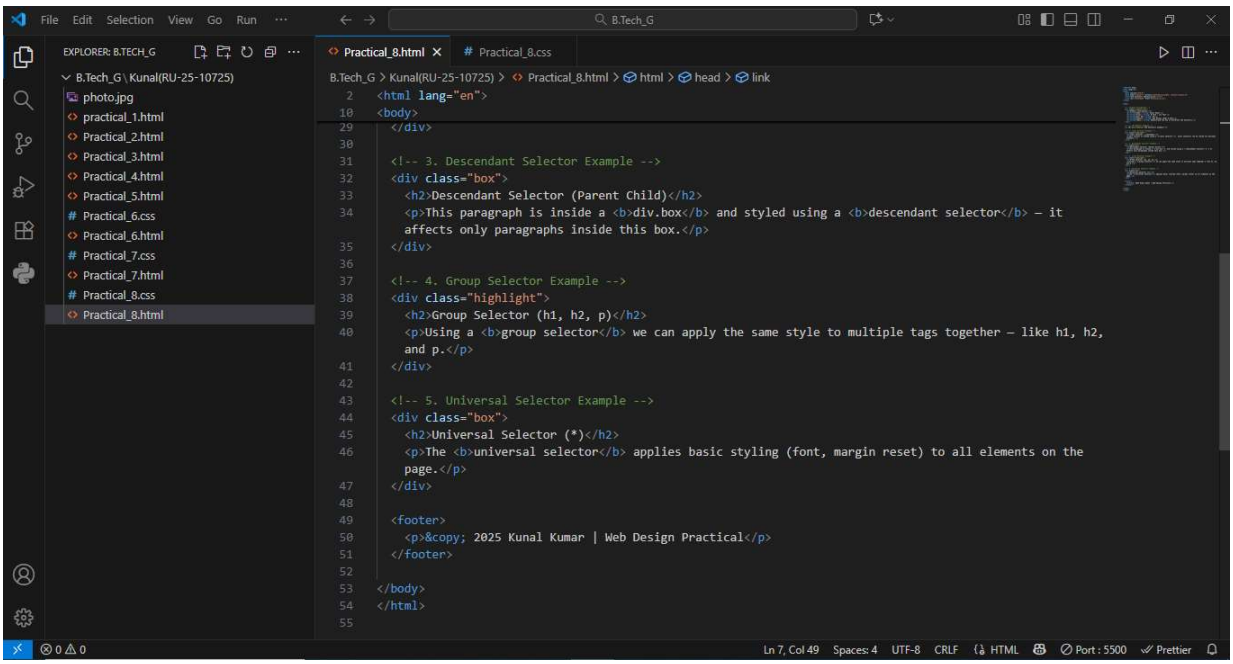

Advanced CSS Styling Example
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_7.html
Student Information
Name: Kunal Kumar
Class: B.Tech - 1st Year
Roll No: 43
Subject: Web Design (HTML & CSS)
Topic: Style a Web Page Using Advanced CSS
Welcome to My Styled Web Page
Using Box Model, Backgrounds, Borders, Margins, and Padding
About This Page
This webpage demonstrates the use of advanced CSS properties including the box model, background image, borders, margins, and padding. Each section is styled using external CSS to maintain a clean and modern layout.


Advanced CSS Styling Example
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_7.html
1. Box Model Example
The box model includes content, padding, border, and margin. Here, the blue box has 20px padding, 3px solid border, and 20px margin around it.
2. Background Image Example
The page background uses a subtle image pattern combined with a solid color to enhance visual appeal.
3. Borders, Margins, and Padding
This box demonstrates rounded borders, spacing between sections (margins), and inner spacing (padding) that make content more readable and organized.
© 2025 Kunal Kumar | Web Design Project

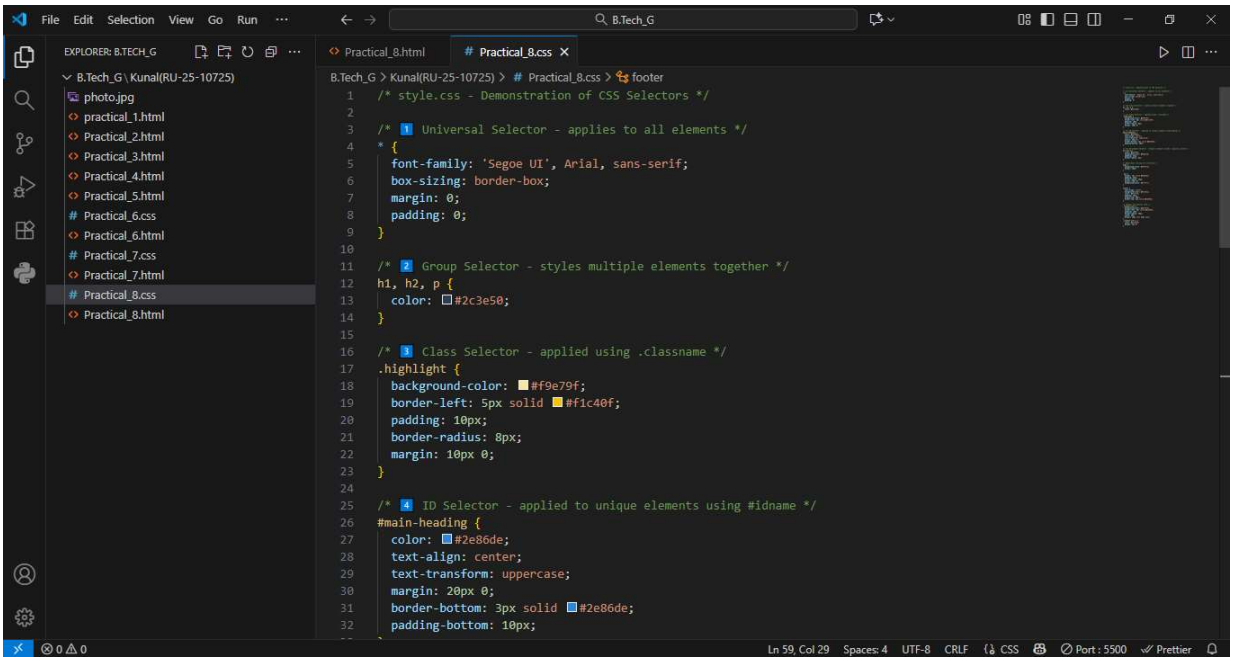
8. Demonstrate the use of different CSS selectors (class, id, descendant, group, universal).

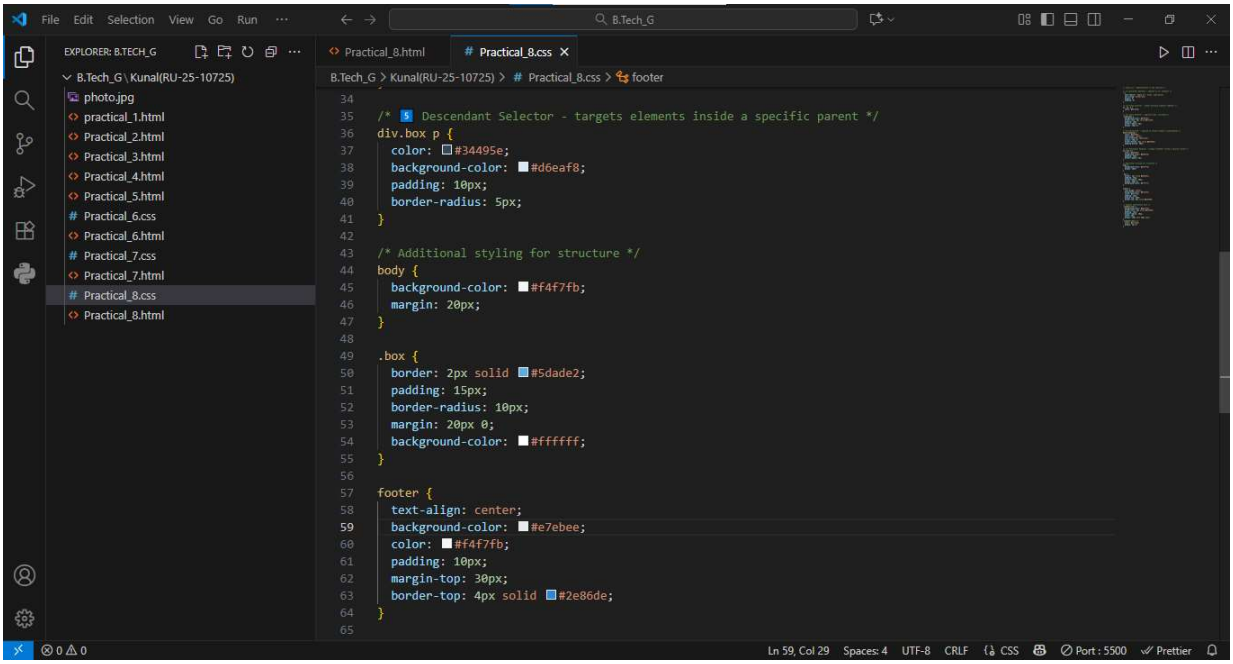


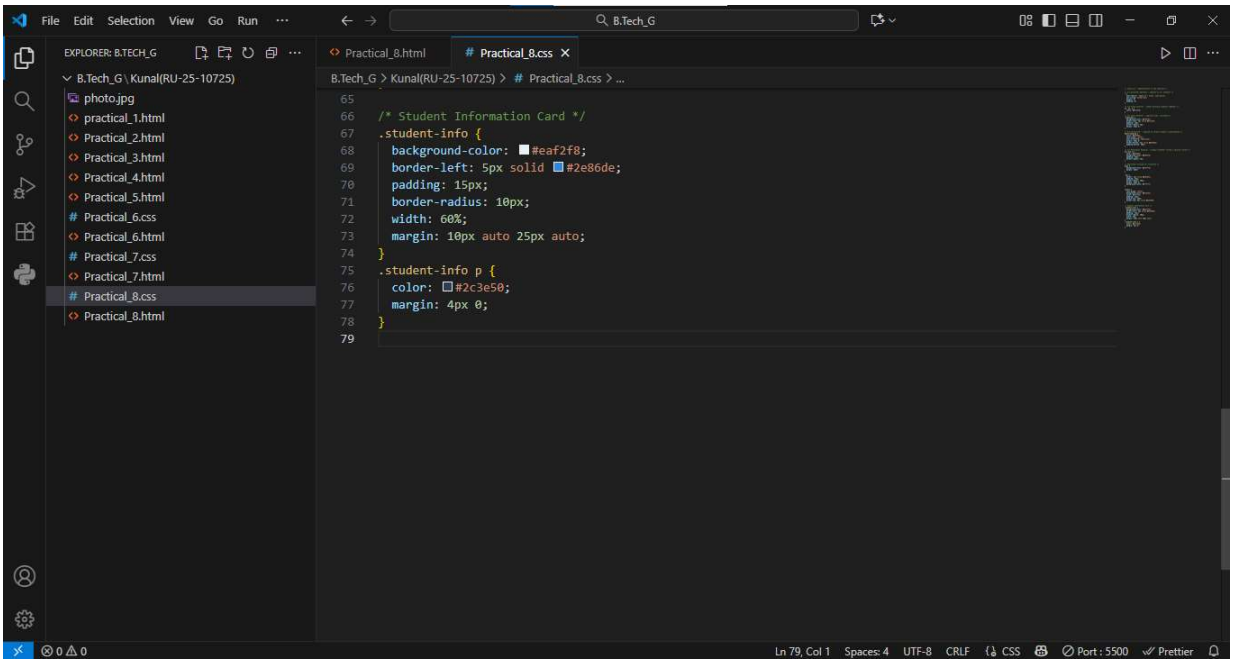
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Selectors Demonstration</title>
  <link rel="stylesheet" href="Practical_8.css">
</head>

<body>

  <!-- Student Information -->
  <div class="student-info">
    <h3>Student Information</h3>
    <p><strong>Name:</strong> Kunal Kumar</p>
    <p><strong>Class:</strong> B.Tech - 1st Year</p>
    <p><strong>Roll No:</strong> 43</p>
    <p><strong>Subject:</strong> Web Design (HTML & CSS)</p>
    <p><strong>Topic:</strong> Demonstrate the Use of Different CSS Selectors</p>
  </div>

  <!-- 1. ID Selector Example -->
  <h1 id="main-heading">CSS Selectors Example</h1>

  <!-- 2. Class Selector Example -->
  <div class="highlight">
    <h2>Class Selector (.classname)</h2>
    <p>This section is styled using a <b>class selector</b>. Class selectors can be reused for multiple
    elements.</p>
  </div>

  <!-- 3. Descendant Selector Example -->
```

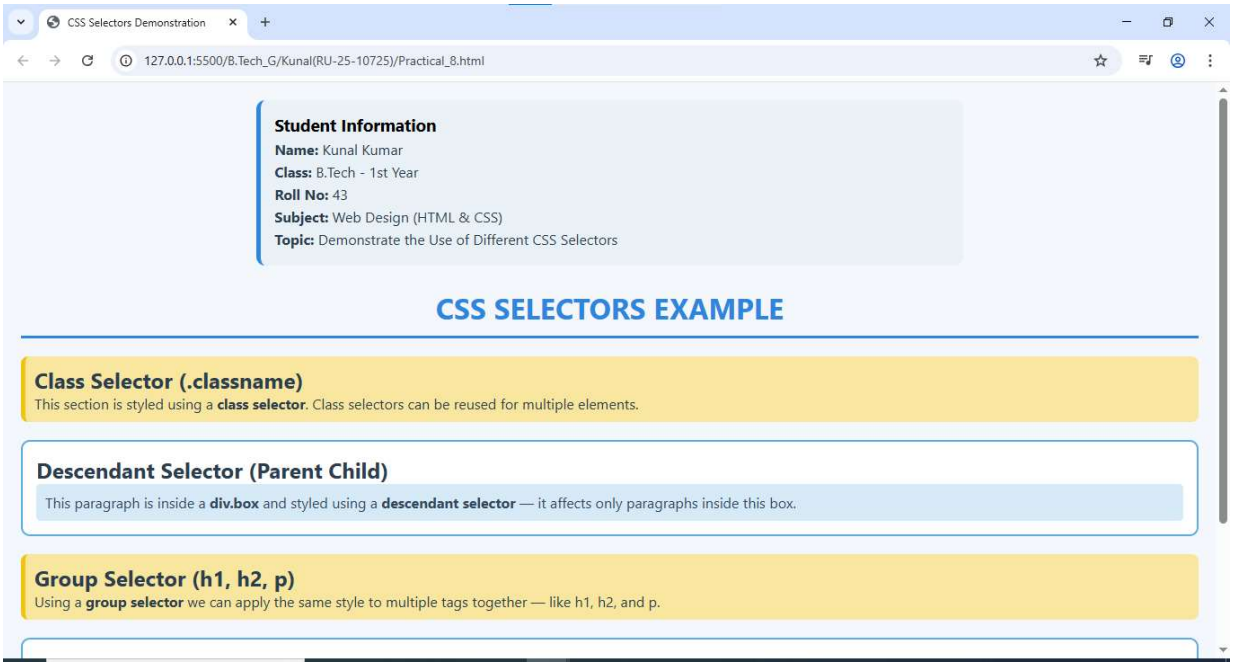


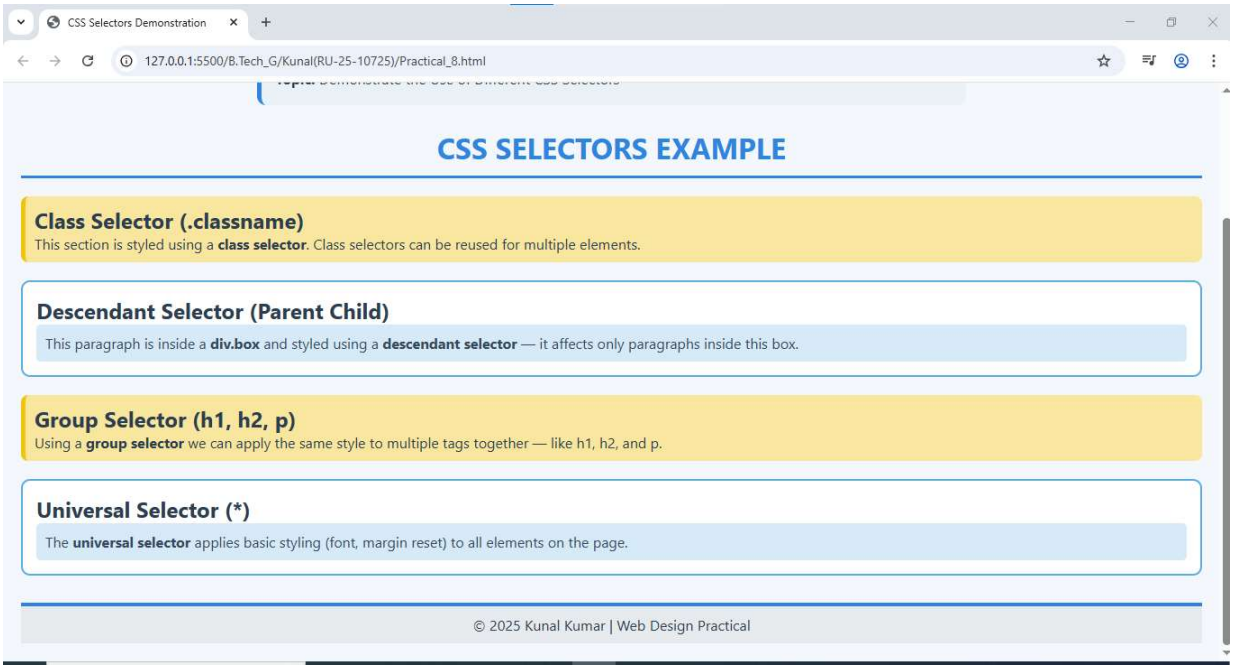
```
  </div>

  <!-- 3. Descendant Selector Example -->
  <div class="box">
    <h2>Descendant Selector (Parent Child)</h2>
    <p>This paragraph is inside a <b>div.box</b> and styled using a <b>descendant selector</b> – it
    affects only paragraphs inside this box.</p>
  </div>

  <!-- 4. Group Selector Example -->
  <div class="highlight">
    <h2>Group Selector (h1, h2, p)</h2>
    <p>Using a <b>group selector</b> we can apply the same style to multiple tags together – like h1, h2,
    and p.</p>
  </div>

  <!-- 5. Universal Selector Example -->
  <div class="box">
    <h2>Universal Selector (*)</h2>
    <p>The <b>universal selector</b> applies basic styling (font, margin reset) to all elements on the
    page.</p>
  </div>

  <footer>
    <p>&copy; 2025 Kunal Kumar | Web Design Practical</p>
  </footer>

</body>
</html>
```


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_8.css
Practical_8.html
Practical_8.html
Practical_8.css
B.Tech_G > Kunal(RU-25-10725) > Practical_8.css > footer
/* style.css - Demonstration of CSS Selectors */
/* 1 Universal Selector - applies to all elements */
* {
font-family: 'Segoe UI', Arial, sans-serif;
box-sizing: border-box;
margin: 0;
padding: 0;
}
/* 2 Group Selector - styles multiple elements together */
h1, h2, p {
color: #2c3e50;
}
/* 3 Class Selector - applied using .classname */
.highlight {
background-color: #f9e79f;
border-left: 5px solid #f1c40f;
padding: 10px;
border-radius: 8px;
margin: 10px 0;
}
/* 4 ID Selector - applied to unique elements using #idname */
#main-heading {
color: #2e86de;
text-align: center;
text-transform: uppercase;
margin: 20px 0;
border-bottom: 3px solid #2e86de;
padding-bottom: 10px;
Ln 59, Col 29 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_8.css
Practical_8.html
Practical_8.html
Practical_8.css
B.Tech_G > Kunal(RU-25-10725) > Practical_8.css > footer
/* 5 Descendant Selector - targets elements inside a specific parent */
div.box p {
color: #34495e;
background-color: #d6eaf8;
padding: 10px;
border-radius: 5px;
}
/* Additional styling for structure */
body {
background-color: #f4f7fb;
margin: 20px;
}
.box {
border: 2px solid #5dade2;
padding: 15px;
border-radius: 10px;
margin: 20px 0;
background-color: #ffffff;
}
footer {
text-align: center;
background-color: #e7ebee;
color: #f4f7fb;
padding: 10px;
margin-top: 30px;
border-top: 4px solid #2e86de;
}
Ln 59, Col 29 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_8.css
Practical_8.html
Practical_8.html
Practical_8.css
B.Tech_G > Kunal(RU-25-10725) > Practical_8.css > ...
/* Student Information Card */
.student-info {
background-color: #eaf2f8;
border-left: 5px solid #2e86de;
padding: 15px;
border-radius: 10px;
width: 60%;
margin: 10px auto 25px auto;
}
.student-info p {
color: #2c3e50;
margin: 4px 0;
}
Ln 79, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


CSS Selectors Demonstration
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_8.html
Student Information
Name: Kunal Kumar
Class: B.Tech - 1st Year
Roll No: 43
Subject: Web Design (HTML & CSS)
Topic: Demonstrate the Use of Different CSS Selectors
CSS SELECTORS EXAMPLE
Class Selector (.classname)
This section is styled using a class selector. Class selectors can be reused for multiple elements.
Descendant Selector (Parent Child)
This paragraph is inside a div.box and styled using a descendant selector — it affects only paragraphs inside this box.
Group Selector (h1, h2, p)
Using a group selector we can apply the same style to multiple tags together — like h1, h2, and p.


CSS Selectors Demonstration
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_8.html
CSS SELECTORS EXAMPLE
Class Selector (.classname)
This section is styled using a class selector. Class selectors can be reused for multiple elements.
Descendant Selector (Parent Child)
This paragraph is inside a div.box and styled using a descendant selector — it affects only paragraphs inside this box.
Group Selector (h1, h2, p)
Using a group selector we can apply the same style to multiple tags together — like h1, h2, and p.
Universal Selector (*)
The universal selector applies basic styling (font, margin reset) to all elements on the page.
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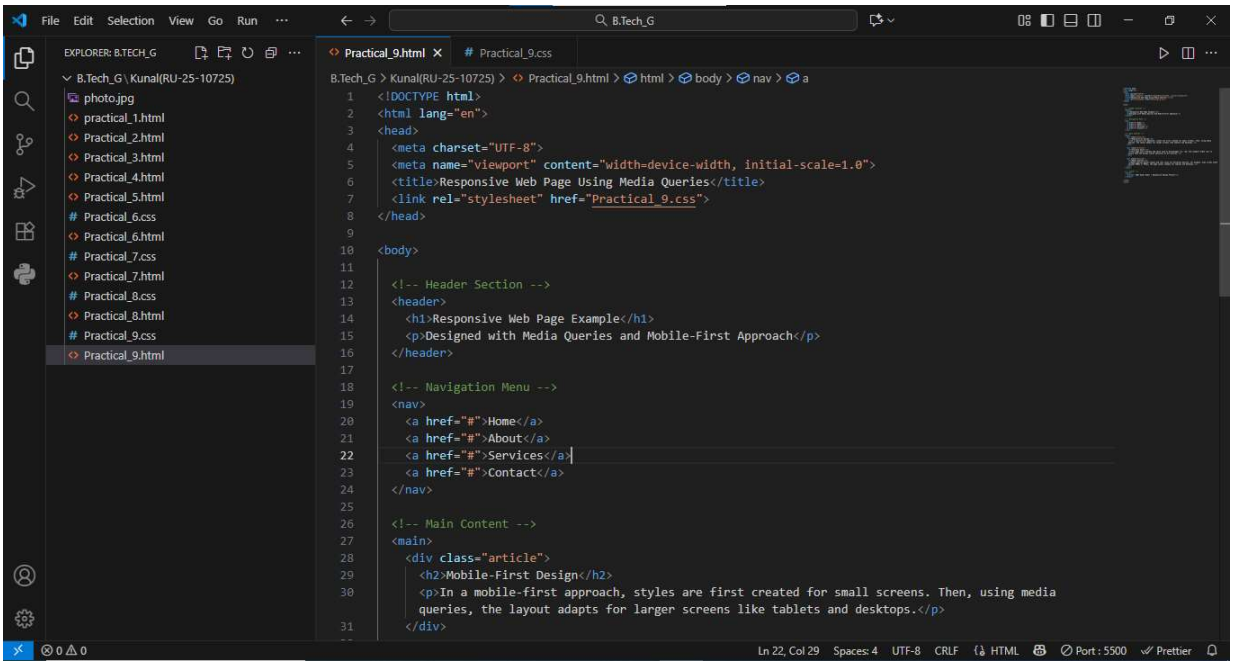
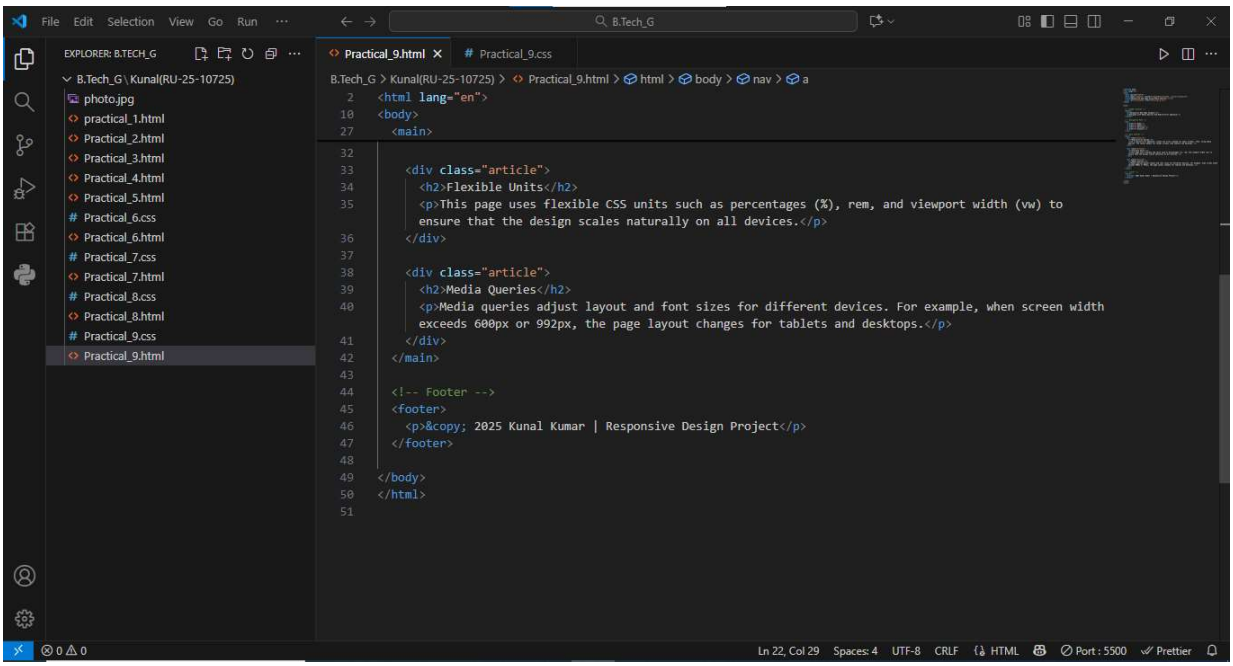
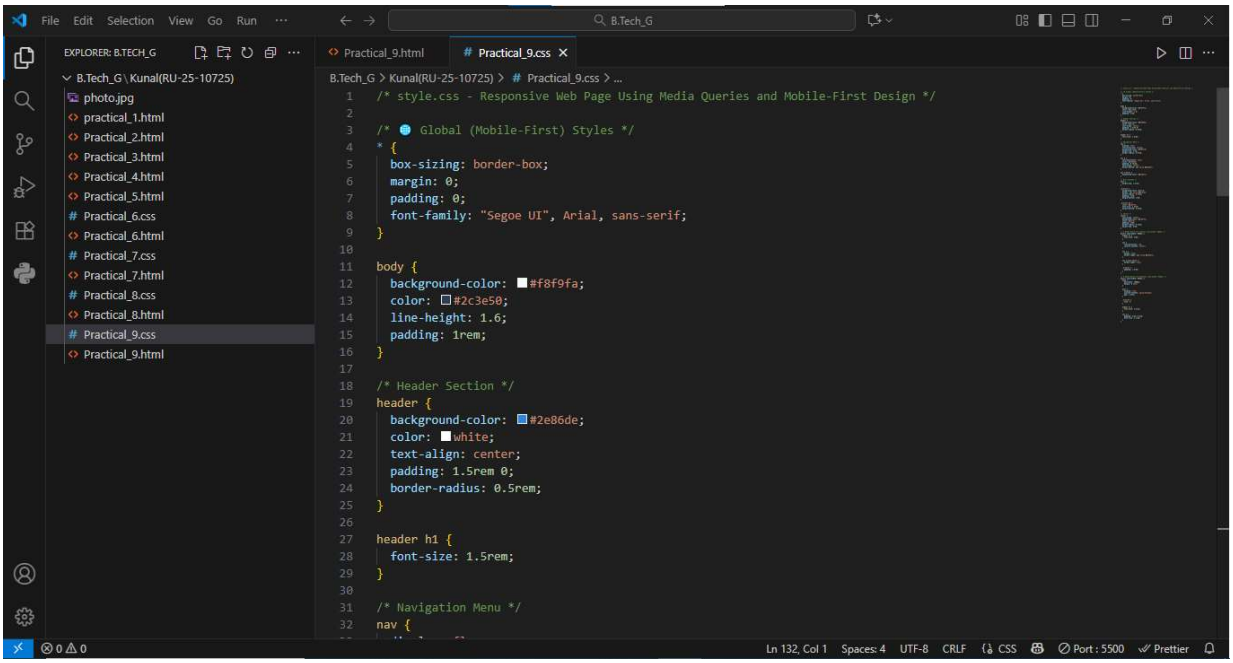
9. Create a responsive web page using media queries and mobile-first design with flexible units

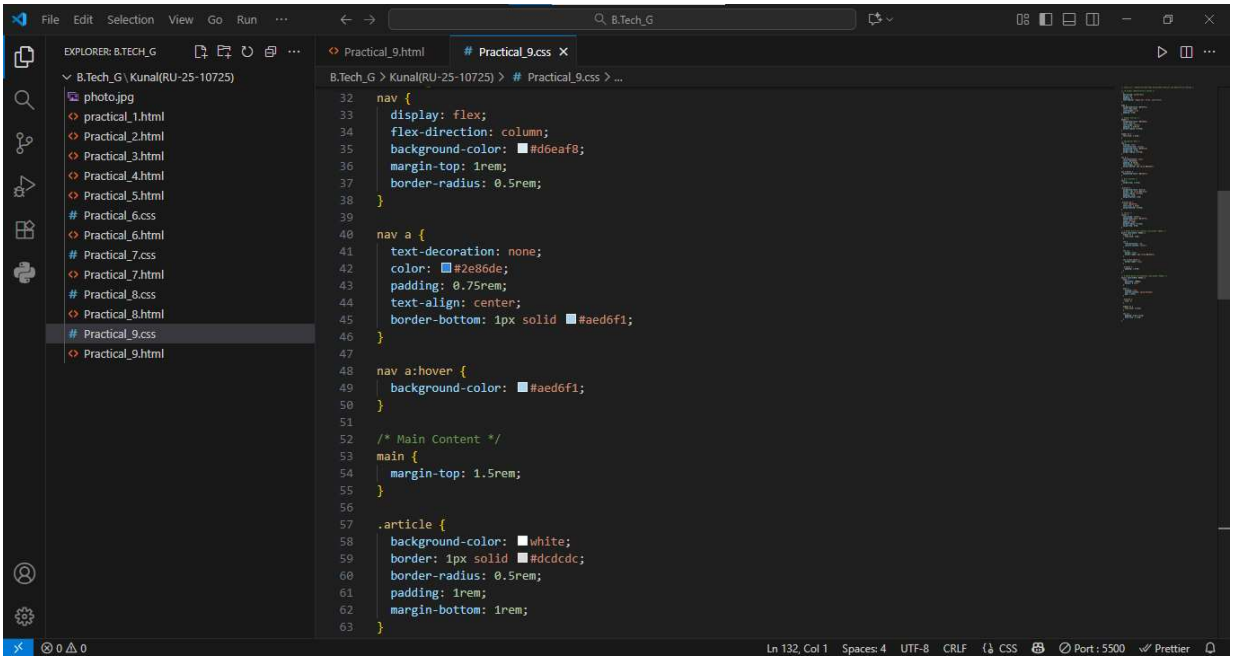


```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Web Page Using Media Queries</title>
  <link rel="stylesheet" href="Practical_9.css">
</head>

<body>

  <!-- Header Section -->
  <header>
    <h1>Responsive Web Page Example</h1>
    <p>Designed with Media Queries and Mobile-First Approach</p>
  </header>

  <!-- Navigation Menu -->
  <nav>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Services</a>
    <a href="#">Contact</a>
  </nav>

  <!-- Main Content -->
  <main>
    <div class="article">
      <h2>Mobile-First Design</h2>
      <p>In a mobile-first approach, styles are first created for small screens. Then, using media
      queries, the layout adapts for larger screens like tablets and desktops.</p>
    </div>
```



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

    <div class="article">
      <h2>Flexible Units</h2>
      <p>This page uses flexible CSS units such as percentages (%), rem, and viewport width (vw) to
      ensure that the design scales naturally on all devices.</p>
    </div>

    <div class="article">
      <h2>Media Queries</h2>
      <p>Media queries adjust layout and font sizes for different devices. For example, when screen width
      exceeds 600px or 992px, the page layout changes for tablets and desktops.</p>
    </div>
  </main>

  <!-- Footer -->
  <footer>
    <p>&copy; 2025 Kunal Kumar | Responsive Design Project</p>
  </footer>

</body>
</html>
```


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_8.css
Practical_8.html
Practical_9.css
Practical_9.html
Practical_9.html
Practical_9.css
B.Tech_G > Kunal(RU-25-10725) > Practical_9.css > ...
1 /* style.css - Responsive Web Page Using Media Queries and Mobile-First Design */
3 /* Global (Mobile-First) Styles */
4 * {
5 box-sizing: border-box;
6 margin: 0;
7 padding: 0;
8 font-family: "Segoe UI", Arial, sans-serif;
9 }
11 body {
12 background-color: #f8f9fa;
13 color: #2c3e50;
14 line-height: 1.6;
15 padding: 1rem;
16 }
18 /* Header Section */
19 header {
20 background-color: #2e86de;
21 color: white;
22 text-align: center;
23 padding: 1.5rem 0;
24 border-radius: 0.5rem;
25 }
27 header h1 {
28 font-size: 1.5rem;
29 }
31 /* Navigation Menu */
32 nav {
Ln 132, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


File Edit Selection View Go Run
B.Tech_G
EXPLORER: B.TECH_G
B.Tech_G \ Kunal(RU-25-10725)
photo.jpg
practical_1.html
Practical_2.html
Practical_3.html
Practical_4.html
Practical_5.html
Practical_6.css
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Practical_8.css
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Practical_9.css
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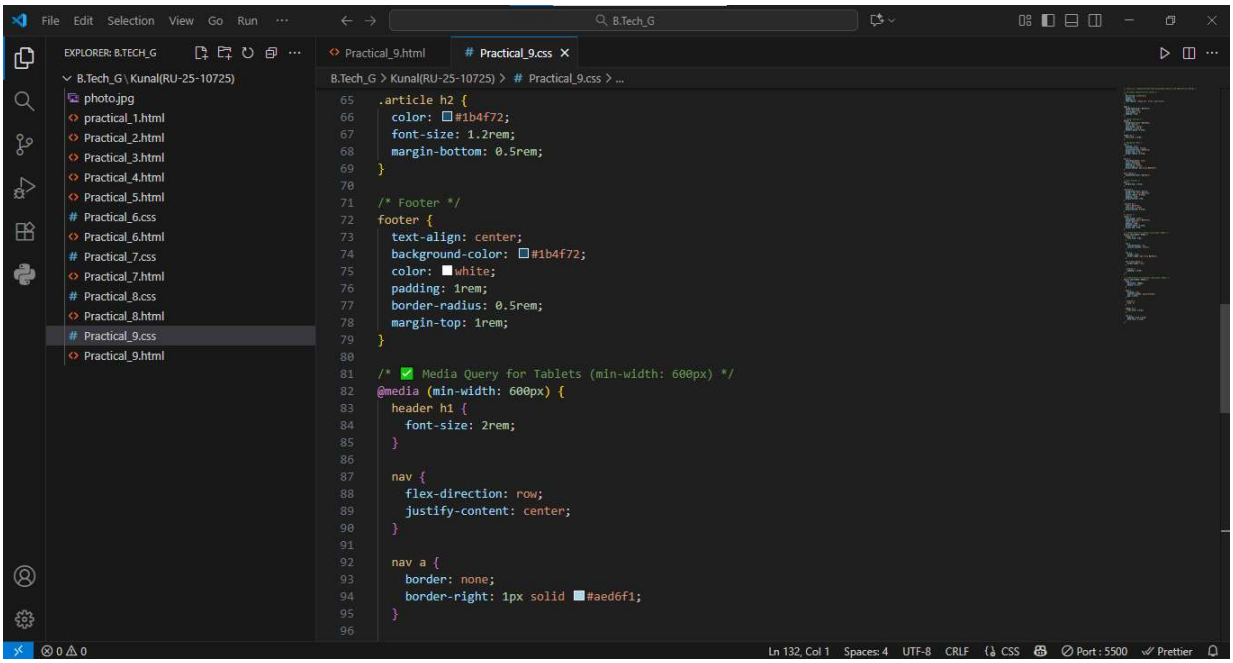
Practical_9.html
Practical_9.css
B.Tech_G > Kunal(RU-25-10725) > Practical_9.css > ...
32 nav {
33 display: flex;
34 flex-direction: column;
35 background-color: #d6eaf8;
36 margin-top: 1rem;
37 border-radius: 0.5rem;
38 }
40 nav a {
41 text-decoration: none;
42 color: #2e86de;
43 padding: 0.75rem;
44 text-align: center;
45 border-bottom: 1px solid #aed6f1;
46 }
48 nav a:hover {
49 background-color: #aed6f1;
50 }
52 /* Main Content */
53 main {
54 margin-top: 1.5rem;
55 }
57 .article {
58 background-color: white;
59 border: 1px solid #dcdcdc;
60 border-radius: 0.5rem;
61 padding: 1rem;
62 margin-bottom: 1rem;
63 }
Ln 132, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier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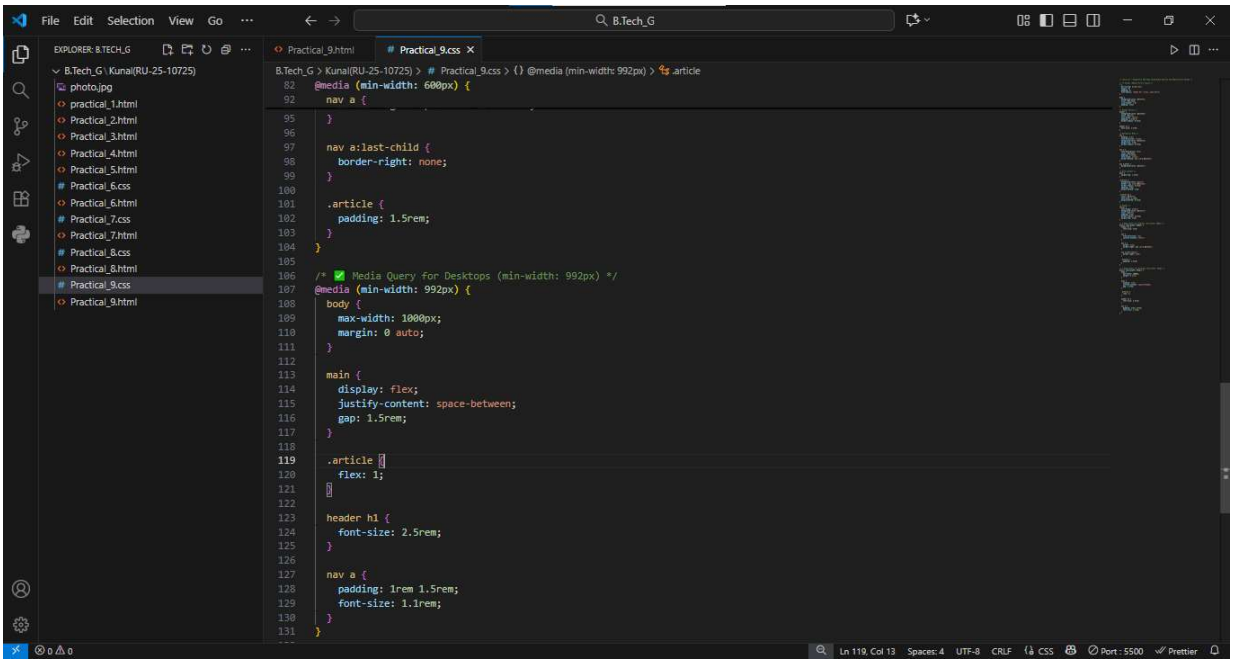
Practical_9.css
Practical_9.html
Practical_9.html
Practical_9.css
B.Tech_G > Kunal(RU-25-10725) > Practical_9.css > ...
.article h2 {
color: #1b4f72;
font-size: 1.2rem;
margin-bottom: 0.5rem;
}
/* Footer */
footer {
text-align: center;
background-color: #1b4f72;
color: white;
padding: 1rem;
border-radius: 0.5rem;
margin-top: 1rem;
}
/* ✅ Media Query for Tablets (min-width: 600px) */
@media (min-width: 600px) {
header h1 {
font-size: 2rem;
}
nav {
flex-direction: row;
justify-content: center;
}
nav a {
border: none;
border-right: 1px solid #aed6f1;
}
Ln 132, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier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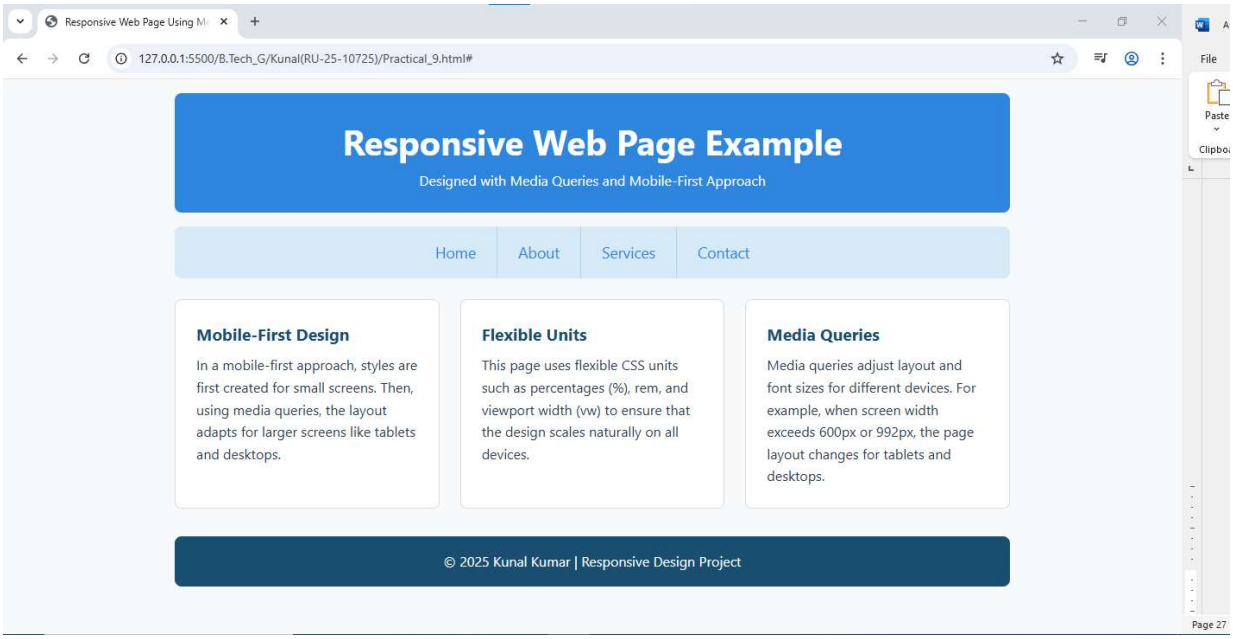
Practical_9.html
Practical_9.html
Practical_9.css
B.Tech_G > Kunal(RU-25-10725) > Practical_9.css > {} @media (min-width: 992px) > .article
@media (min-width: 600px) {
nav a {
}
nav a:last-child {
border-right: none;
}
.article {
padding: 1.5rem;
}
}
/* ✅ Media Query for Desktops (min-width: 992px) */
@media (min-width: 992px) {
body {
max-width: 1000px;
margin: 0 auto;
}
main {
display: flex;
justify-content: space-between;
gap: 1.5rem;
}
.article {
flex: 1;
}
header h1 {
font-size: 2.5rem;
}
nav a {
padding: 1rem 1.5rem;
font-size: 1.1rem;
}
}
Ln 119, Col 13 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


Responsive Web Page Using M
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_9.html#
Responsive Web Page Example
Designed with Media Queries and Mobile-First Approach
Home
About
Services
Contact
Mobile-First Design
In a mobile-first approach, styles are first created for small screens. Then, using media queries, the layout adapts for larger screens like tablets and desktops.
Flexible Units
This page uses flexible CSS units such as percentages (%), rem, and viewport width (vw) to ensure that the design scales naturally on all devices.
Media Queries
Media queries adjust layout and font sizes for different devices. For example, when screen width exceeds 600px or 992px, the page layout changes for tablets and desktops.
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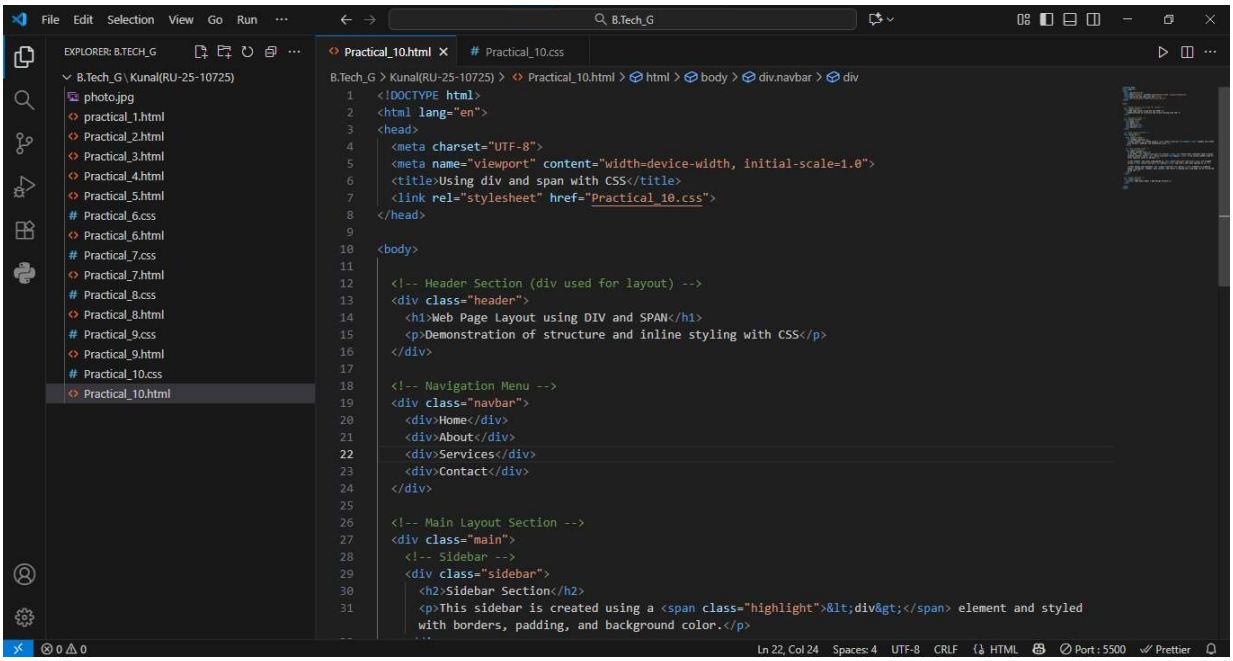
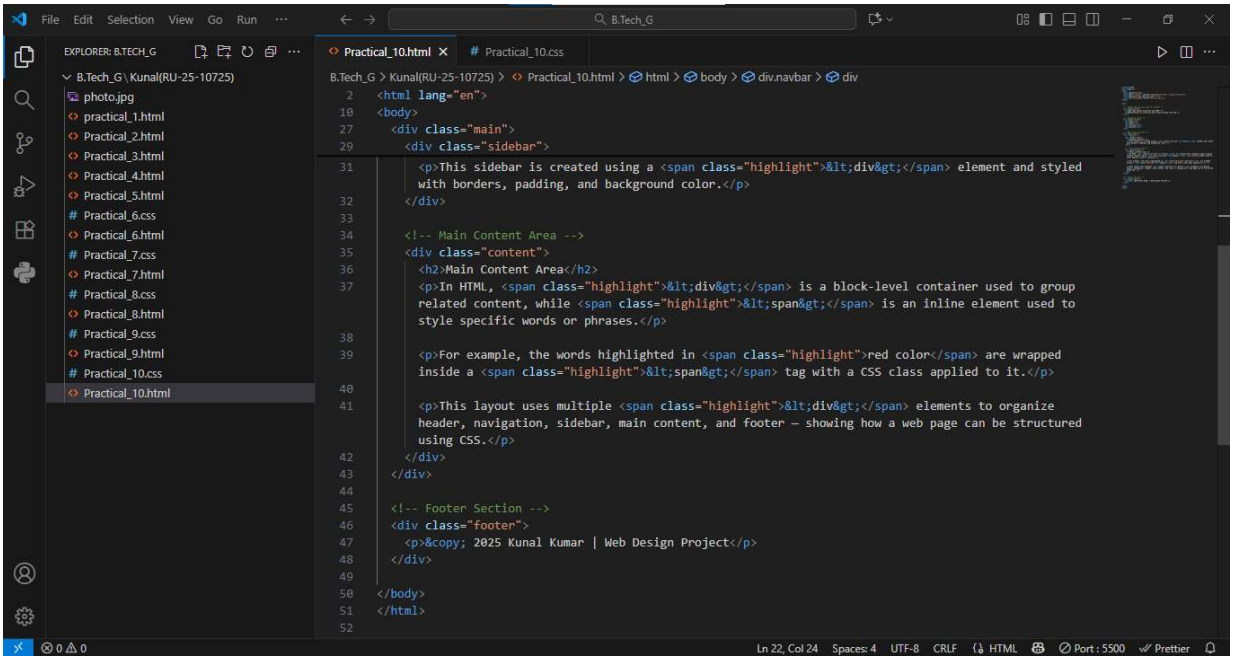
Paste
Page 27

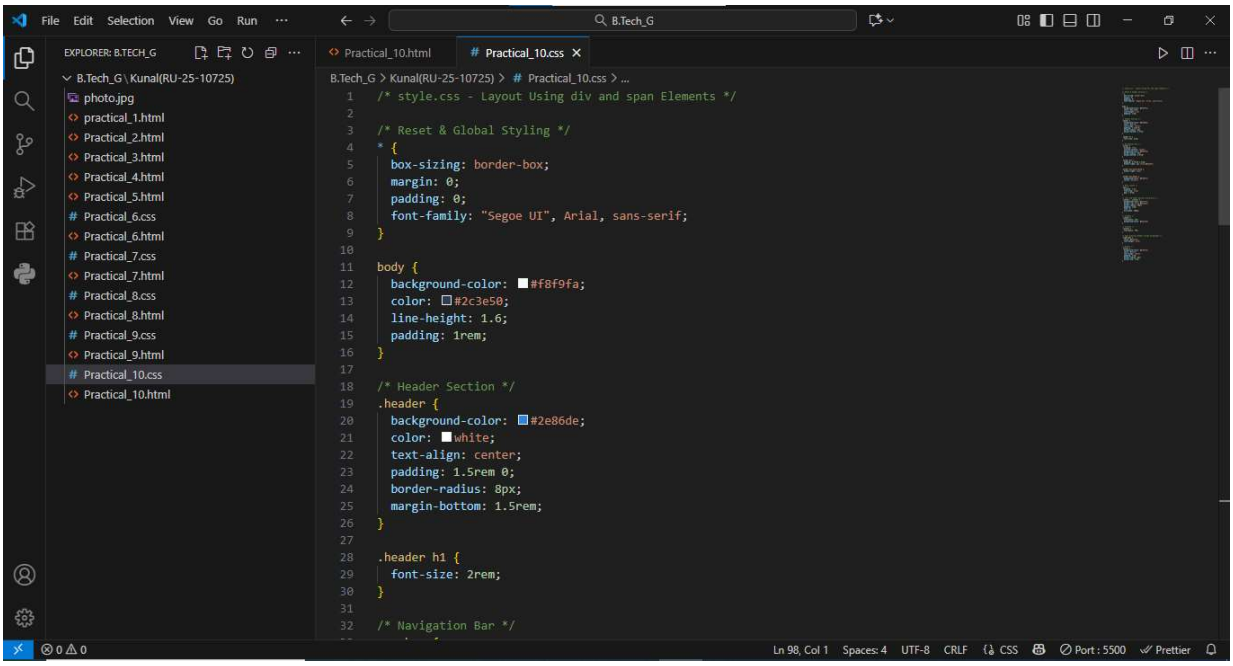
10. Use div and span elements for layout and apply styling with CSS



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Using div and span with CSS</title>
  <link rel="stylesheet" href="Practical_10.css">
</head>

<body>

  <!-- Header Section (div used for layout) -->
  <div class="header">
    <h1>Web Page Layout using DIV and SPAN</h1>
    <p>Demonstration of structure and inline styling with CSS</p>
  </div>

  <!-- Navigation Menu -->
  <div class="navbar">
    <div>Home</div>
    <div>About</div>
    <div>Services</div>
    <div>Contact</div>
  </div>

  <!-- Main Layout Section -->
  <div class="main">
    <!-- Sidebar -->
    <div class="sidebar">
      <h2>Sidebar Section</h2>
      <p>This sidebar is created using a <span class="highlight">&lt;div&gt;</span> element and styled
      with borders, padding, and background color.</p>
```



```
<html lang="en">
<body>
  <div class="main">
    <div class="sidebar">
      <p>This sidebar is created using a <span class="highlight">&lt;div&gt;</span> element and styled
      with borders, padding, and background color.</p>
    </div>

    <!-- Main Content Area -->
    <div class="content">
      <h2>Main Content Area</h2>
      <p>In HTML, <span class="highlight">&lt;div&gt;</span> is a block-level container used to group
      related content, while <span class="highlight">&lt;span&gt;</span> is an inline element used to
      style specific words or phrases.</p>

      <p>For example, the words highlighted in <span class="highlight">red color</span> are wrapped
      inside a <span class="highlight">&lt;span&gt;</span> tag with a CSS class applied to it.</p>

      <p>This layout uses multiple <span class="highlight">&lt;div&gt;</span> elements to organize
      header, navigation, sidebar, main content, and footer — showing how a web page can be structured
      using CSS.</p>
    </div>
  </div>

  <!-- Footer Section -->
  <div class="footer">
    <p>&copy; 2025 Kunal Kumar | Web Design Project</p>
  </div>

</body>
</html>
```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practical_1.html
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Practical_7.html
Practical_8.css
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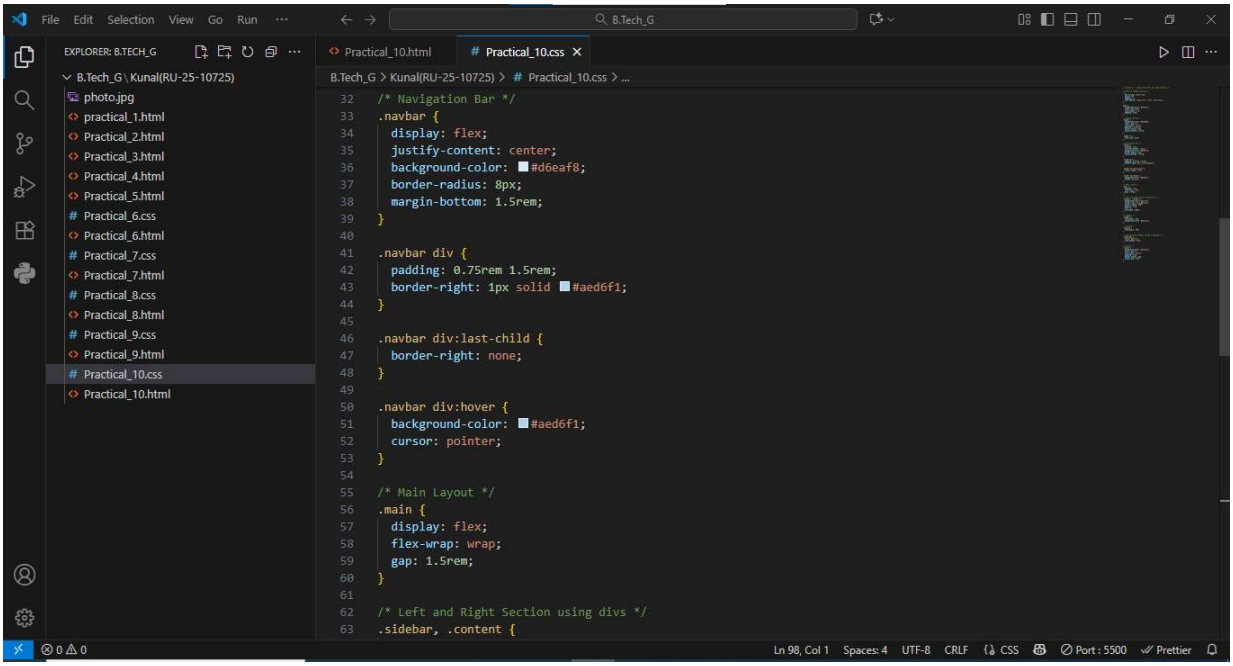
Practical_9.html
Practical_10.css
Practical_10.html
Practical_10.html
Practical_10.css
B.Tech_G > Kunal(RU-25-10725) > Practical_10.css > ...
/* style.css - Layout Using div and span Elements */
/* Reset & Global Styling */
* {
box-sizing: border-box;
margin: 0;
padding: 0;
font-family: "Segoe UI", Arial, sans-serif;
}
body {
background-color: #f8f9fa;
color: #2c3e50;
line-height: 1.6;
padding: 1rem;
}
/* Header Section */
.header {
background-color: #2e86de;
color: white;
text-align: center;
padding: 1.5rem 0;
border-radius: 8px;
margin-bottom: 1.5rem;
}
.header h1 {
font-size: 2rem;
}
/* Navigation Bar */
Ln 98, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier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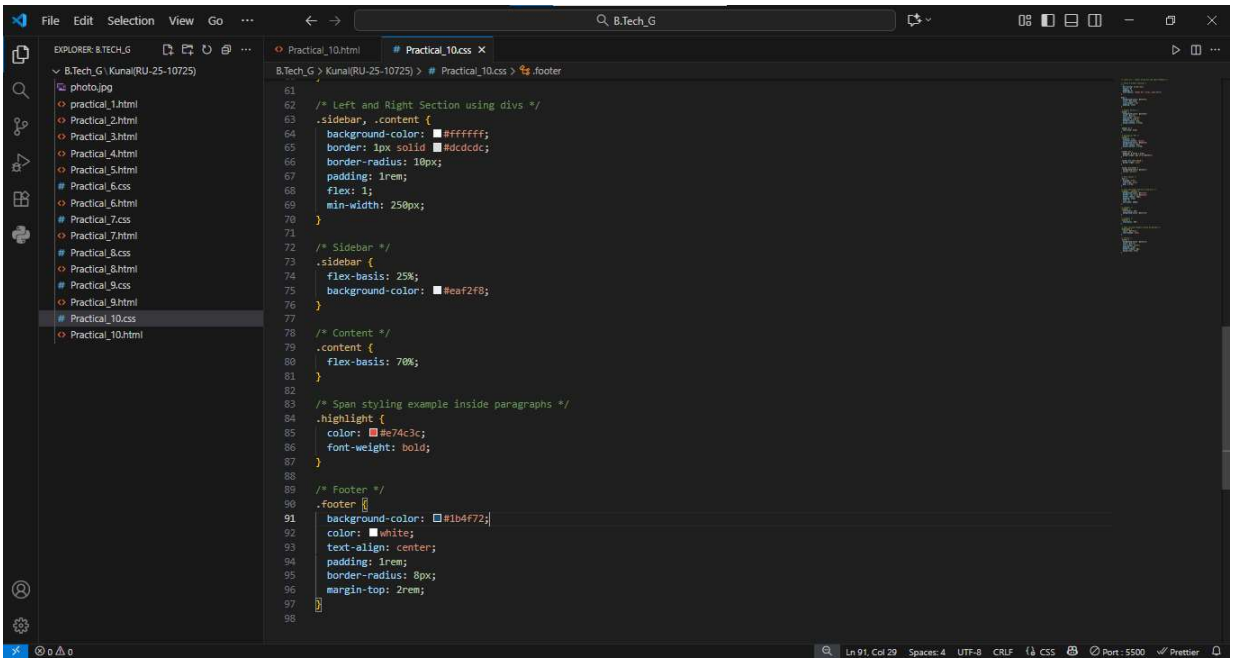
Practical_5.html
Practical_6.css
Practical_6.html
Practical_7.css
Practical_7.html
Practical_8.css
Practical_8.html
Practical_9.css
Practical_9.html
Practical_10.css
Practical_10.html
Practical_10.html
Practical_10.css
B.Tech_G > Kunal(RU-25-10725) > Practical_10.css > ...
/* Navigation Bar */
.navbar {
display: flex;
justify-content: center;
background-color: #d6eaf8;
border-radius: 8px;
margin-bottom: 1.5rem;
}
.navbar div {
padding: 0.75rem 1.5rem;
border-right: 1px solid #aed6f1;
}
.navbar div:last-child {
border-right: none;
}
.navbar div:hover {
background-color: #aed6f1;
cursor: pointer;
}
/* Main Layout */
.main {
display: flex;
flex-wrap: wrap;
gap: 1.5rem;
}
/* Left and Right Section using divs */
.sidebar, .content {
Ln 98, Col 1 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier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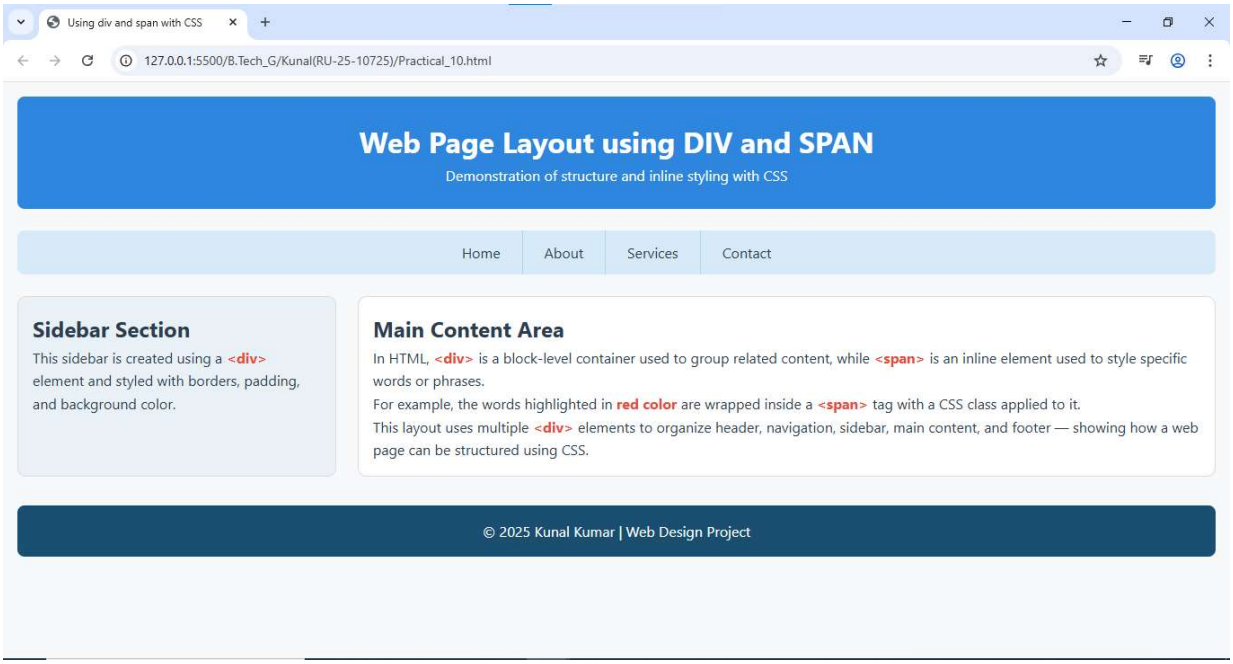
Practical_10.css
Practical_10.html
Practical_10.html
Practical_10.css
B.Tech_G > Kunal(RU-25-10725) > Practical_10.css > .footer
/* Left and Right Section using divs */
.sidebar, .content {
background-color: #ffffff;
border: 1px solid #dcdcdc;
border-radius: 10px;
padding: 1rem;
flex: 1;
min-width: 250px;
}
/* Sidebar */
.sidebar {
flex-basis: 25%;
background-color: #eaf2f8;
}
/* Content */
.content {
flex-basis: 70%;
}
/* Span styling example inside paragraphs */
.highlight {
color: #e74c3c;
font-weight: bold;
}
/* Footer */
.footer {
background-color: #1b4f72;
color: white;
text-align: center;
padding: 1rem;
border-radius: 8px;
margin-top: 2rem;
}
Ln 91, Col 29 Spaces: 4 UTF-8 CRLF CSS Port : 5500 Prettier


Using div and span with CSS
127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_10.html
Web Page Layout using DIV and SPAN
Demonstration of structure and inline styling with CSS
Home
About
Services
Contact
Sidebar Section
This sidebar is created using a element and styled with borders, padding, and background color.
Main Content Area
In HTML, is a block-level container used to group related content, while is an inline element used to style specific words or phrases.
For example, the words highlighted in red color are wrapped inside a tag with a CSS class applied to it.
This layout uses multiple elements to organize header, navigation, sidebar, main content, and footer — showing how a web page can be structured using CSS.
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