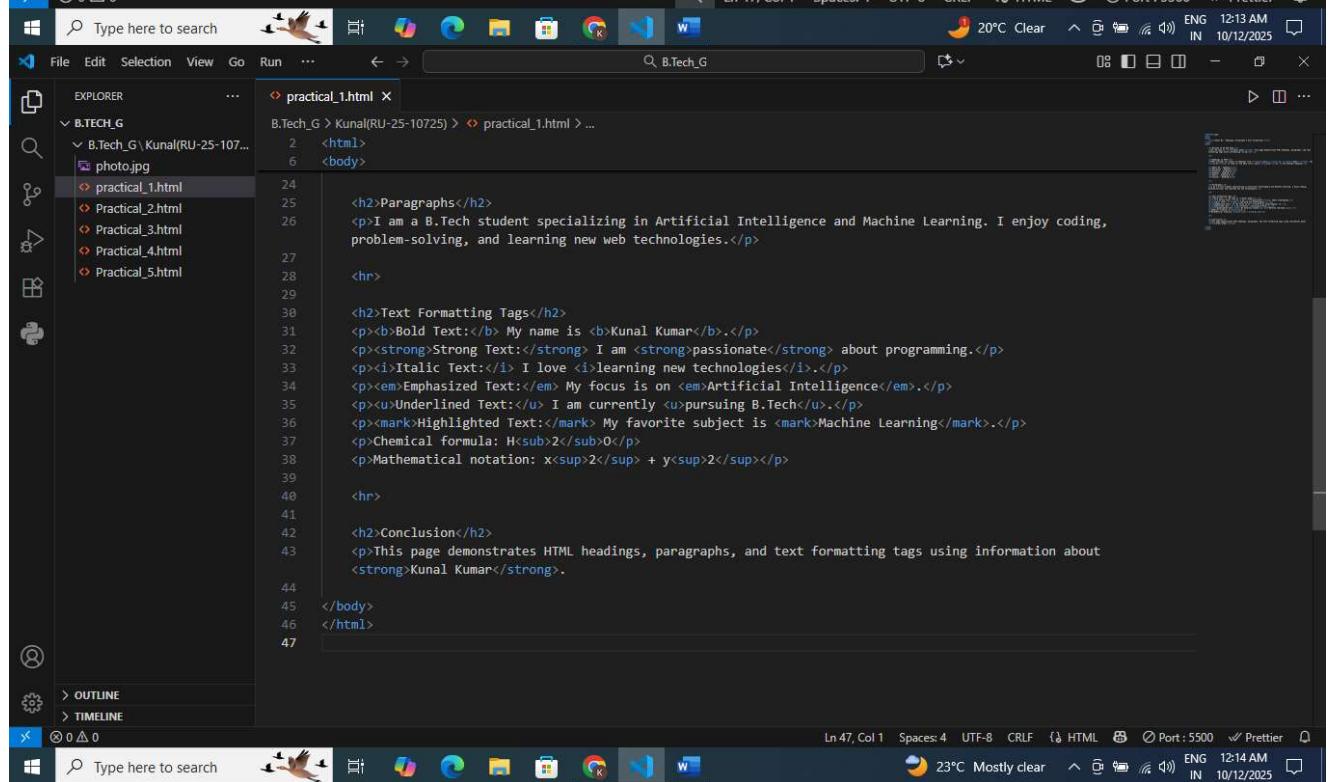


1. Create +C46:C65a basic HTML web page using headings, paragraphs, and text formatting tags.



The screenshot shows two instances of the Microsoft Edge browser side-by-side, displaying the same HTML file. The top instance shows the initial content, and the bottom instance shows the content after modifications. Both instances have the following details:

- File Bar:** File, Edit, Selection, View, Go, ...
- Address Bar:** B.Tech_G
- Toolbar:** Back, Forward, Stop, Refresh, Home, Address, Search, Favorites, Downloads, Task View, Edge, Settings, Help.
- Bottom Status Bar:** Ln 47, Col 1, Spaces: 4, UTF-8, CRLF, HTML, Port: 5500, Prettier, 20°C Clear, ENG 12:13 AM IN 10/12/2025

Content (Top Instance):

```
<!DOCTYPE html>
<html>
<head>
    <title>About Me - Headings, Paragraphs & Text Formatting</title>
</head>
<body>

    <h1>Welcome to My Web Page</h1>
    <p>Hi! My name is <strong>Kunal Kumar</strong>. This page demonstrates HTML headings, paragraphs, and text formatting tags while introducing <em>me</em>.</p>

    <hr>

    <h2>Headings in HTML</h2>
    <p>HTML provides six levels of headings from <strong>&lt;h1&gt;</strong> to <strong>&lt;h6&gt;</strong>. The <strong>h1</strong> is used for the main title, while <strong>h6</strong> is the smallest heading.</p>

    <h1>About Me - Heading 1</h1>
    <h2>Education - Heading 2</h2>
    <h3>Projects - Heading 3</h3>
    <h4>Hobbies - Heading 4</h4>
    <h5>Skills - Heading 5</h5>
    <h6>Contact - Heading 6</h6>

    <hr>
```

Content (Bottom Instance):

```
<html>
<body>

    <h2>Paragraphs</h2>
    <p>I am a B.Tech student specializing in Artificial Intelligence and Machine Learning. I enjoy coding, problem-solving, and learning new web technologies.</p>

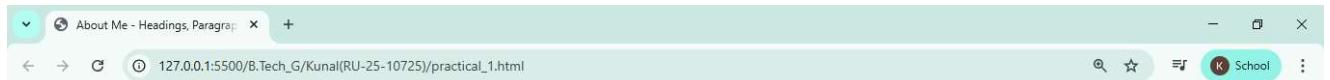
    <hr>

    <h2>Text Formatting Tags</h2>
    <p><b>Bold Text:</b> My name is <b>Kunal Kumar</b>.</p>
    <p><strong>Strong Text:</strong> I am <strong>passionate</strong> about programming.</p>
    <p><i>Italic Text:</i> I love <i>learning new technologies</i>.</p>
    <p><em>Emphasized Text:</em> My focus is on <em>Artificial Intelligence</em>.</p>
    <p><u>Underlined Text:</u> I am currently <u>pursuing B.Tech</u>.</p>
    <p><mark>Highlighted Text:</mark> My favorite subject is <mark>Machine Learning</mark>.</p>
    <p>Chemical formula: H2O</p>
    <p>Mathematical notation: x2 + y2</p>

    <hr>

    <h2>Conclusion</h2>
    <p>This page demonstrates HTML headings, paragraphs, and text formatting tags using information about <strong>Kunal Kumar</strong>.</p>

</body>
</html>
```



Welcome to My Web Page

Hi! My name is **Kunal Kumar**. This page demonstrates HTML headings, paragraphs, and text formatting tags while introducing *me*.

Headings in HTML

HTML provides six levels of headings from `<h1>` to `<h6>`. The **h1** is used for the main title, while **h6** is the smallest heading.

About Me - Heading 1

Education - Heading 2

Projects - Heading 3

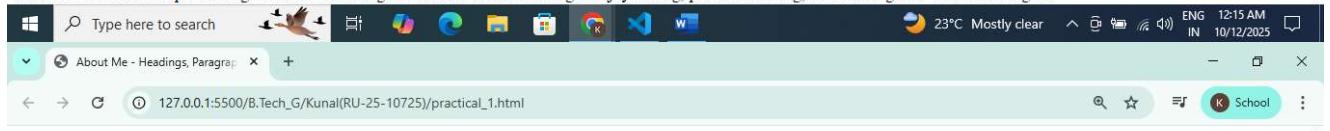
Hobbies - Heading 4

Skills - Heading 5

Contact - Heading 6

Paragraphs

I am a B.Tech student specializing in Artificial Intelligence and Machine Learning. I enjoy coding, problem-solving, and learning new web technologies.



Paragraphs

I am a B.Tech student specializing in Artificial Intelligence and Machine Learning. I enjoy coding, problem-solving, and learning new web technologies.

Text Formatting Tags

Bold Text: My name is **Kunal Kumar**.

Strong Text: I am **passionate** about programming.

Italic Text: I love *learning new technologies*.

Emphasized Text: My focus is on *Artificial Intelligence*.

Underlined Text: I am currently pursuing B.Tech.

Highlighted Text: My favorite subject is **Machine Learning**.

Chemical formula: H₂O

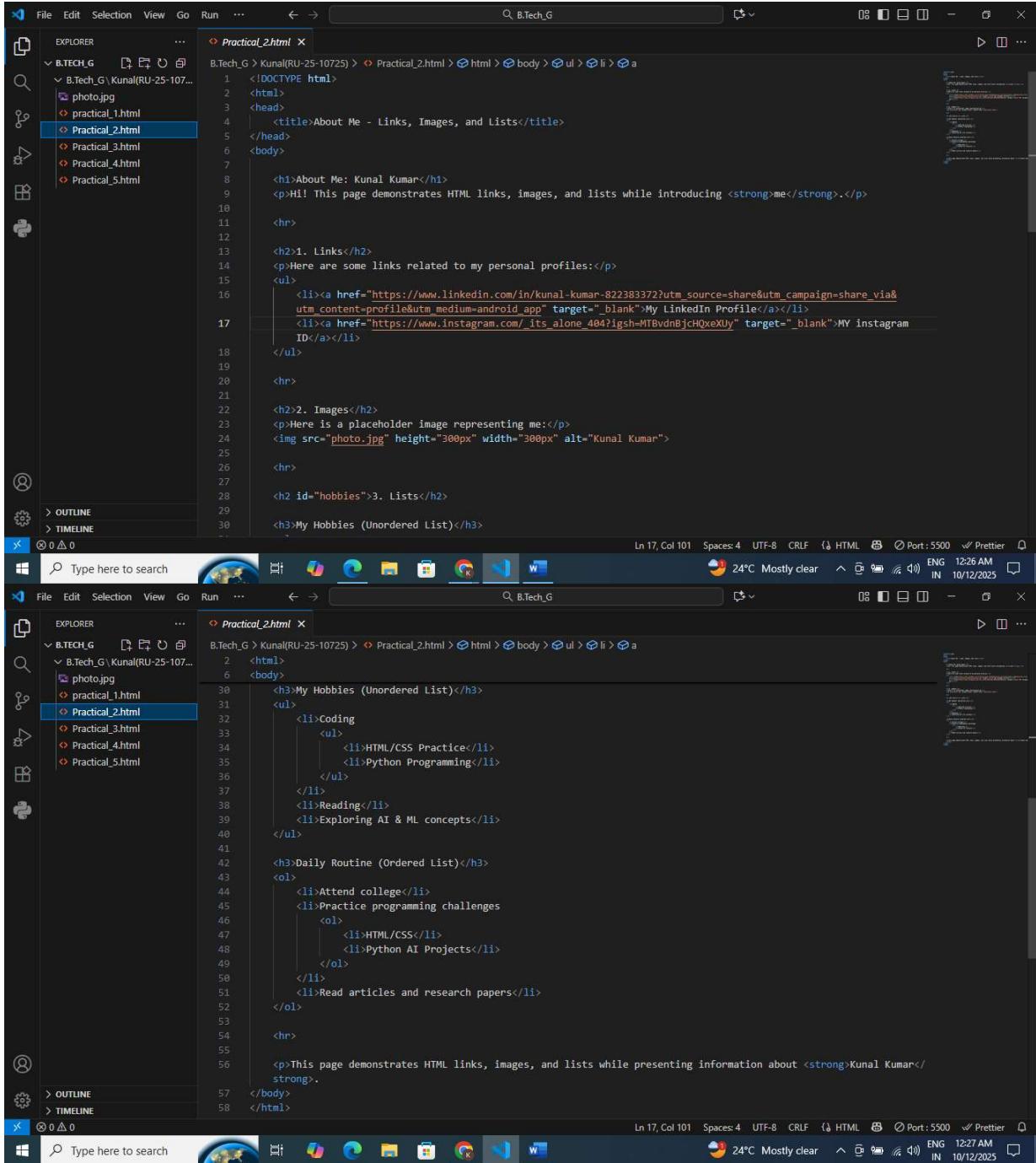
Mathematical notation: x² + y²

Conclusion

This page demonstrates HTML headings, paragraphs, and text formatting tags using information about **Kunal Kumar**.



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



```
B.Tech_G > Kunal(RU-25-10725) > Practical_2.html > html > body > ul > li > a
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>About Me - Links, Images, and Lists</title>
5  </head>
6  <body>
7
8      <h1>About Me: Kunal Kumar</h1>
9      <p>Hi! This page demonstrates HTML links, images, and lists while introducing <strong>me</strong>.</p>
10
11
12      <h2>1. Links</h2>
13      <p>Here are some links related to my personal profiles:</p>
14      <ul>
15          <li><a href="https://www.linkedin.com/in/kunal-kumar-822383372?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app" target="_blank">My LinkedIn Profile</a></li>
16          <li><a href="https://www.instagram.com/_its_alone_404?igsh=MTBvdnBjchQxeXUy" target="_blank">MY instagram ID</a></li>
17      </ul>
18
19
20      <h2>2. Images</h2>
21      <p>Here is a placeholder image representing me:</p>
22      
23
24
25
26      <h2 id="hobbies">3. Lists</h2>
27
28      <h3>My Hobbies (Unordered List)</h3>
29
30
31      <h3>Daily Routine (Ordered List)</h3>
32      <ol>
33          <li>Attend college</li>
34          <li>Practice programming challenges
35              <ol>
36                  <li>HTML/CSS Practice</li>
37                  <li>Python Programming</li>
38              </ol>
39          </li>
40          <li>Reading</li>
41          <li>Exploring AI & ML concepts</li>
42      </ol>
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
```

About Me - Links, Images, and ... +

127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_2.html

☆ School :

About Me: Kunal Kumar

Hi! This page demonstrates HTML links, images, and lists while introducing me.

1. Links

Here are some links related to my personal profiles:

- [My LinkedIn Profile](#)
- [MY Instagram ID](#)

2. Images

Here is a placeholder image representing me:



3. Lists

My Hobbies (Unordered List)

- Coding
 - HTML/CSS Practice
 - Python Programming
- Reading
- Exploring AI & ML concepts

Daily Routine (Ordered List)

1. Attend college
2. Practice programming challenges
 1. HTML/CSS
 2. Python AI Projects
3. Read articles and research papers

This page demonstrates HTML links, images, and lists while presenting information about **Kunal Kumar**.

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

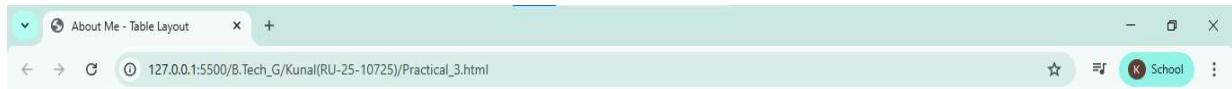
The image shows two side-by-side screenshots of a code editor (Visual Studio Code) displaying the same HTML file, `Practical_3.html`. The top screenshot shows the initial state of the table layout, and the bottom screenshot shows the final state after adding a `<caption>` tag and a `` list at the bottom.

Initial State (Top Screenshot):

```
<!DOCTYPE html>
<html>
<head>
    <title>About Me - Table Layout</title>
</head>
<body>
    <h1>About Me: Kunal Kumar</h1>
    <p>This page demonstrates a table-based layout using merged cells, alignment, and caption while introducing <strong></strong> and <strong></strong> tags</p>
    <hr>
    <table border="1" cellspacing="0" cellpadding="8">
        <caption><strong>Personal Information</strong></caption>
        <tr>
            <th>Name</th>
            <th>Education</th>
            <th>Skills</th>
            <th>Hobbies</th>
        </tr>
        <tr>
            <td rowspan="2" align="center">Kunal Kumar</td>
            <td>B.Tech (AI & ML)</td>
            <td>HTML, Python</td>
            <td align="center">Coding</td>
        </tr>
        <tr>
            <td>Projects</td>
            <td>Machine Learning Basics</td>
            <td>Gaming</td>
        </tr>
    </table>
    <hr>
    <table border="1" cellspacing="0" cellpadding="8">
        <caption><strong>Additional Info</strong></caption>
        <tr>
            <td>Contact</td>
            <td>Email: kunalhjp4@gmail.com</td>
            <td>Phone: +91 9955088447</td>
            <td align="center">Exploring AI</td>
        </tr>
    </table>
    <hr>
    <p><strong>Explanation:</strong></p>
    <ul>
        <li><b>Caption:</b> The <code><caption></caption></code> tag gives a title to the table.</li>
        <li><b>Merged Cells:</b> <code><td rowspan='2'></code> merges rows; <code><td colspan='2'></code> merges columns.</li>
        <li><b>Alignment:</b> <code><td align='center'></code> for horizontal alignment.</li>
        <li>All data above is related to <strong>Kunal Kumar</strong>.</li>
    </ul>
</body>
</html>
```

Final State (Bottom Screenshot):

```
<!DOCTYPE html>
<html>
<head>
    <title>About Me - Table Layout</title>
</head>
<body>
    <h1>About Me: Kunal Kumar</h1>
    <p>This page demonstrates a table-based layout using merged cells, alignment, and caption while introducing <strong></strong> and <strong></strong> tags</p>
    <hr>
    <table border="1" cellspacing="0" cellpadding="8">
        <caption><strong>Personal Information</strong></caption>
        <tr>
            <th>Name</th>
            <th>Education</th>
            <th>Skills</th>
            <th>Hobbies</th>
        </tr>
        <tr>
            <td rowspan="2" align="center">Kunal Kumar</td>
            <td>B.Tech (AI & ML)</td>
            <td>HTML, Python</td>
            <td align="center">Coding</td>
        </tr>
        <tr>
            <td>Projects</td>
            <td>Machine Learning Basics</td>
            <td>Gaming</td>
        </tr>
    </table>
    <hr>
    <table border="1" cellspacing="0" cellpadding="8">
        <caption><strong>Additional Info</strong></caption>
        <tr>
            <td>Contact</td>
            <td>Email: kunalhjp4@gmail.com</td>
            <td>Phone: +91 9955088447</td>
            <td align="center">Exploring AI</td>
        </tr>
    </table>
    <hr>
    <p><strong>Explanation:</strong></p>
    <ul>
        <li><b>Caption:</b> The <code><caption></caption></code> tag gives a title to the table.</li>
        <li><b>Merged Cells:</b> <code><td rowspan='2'></code> merges rows; <code><td colspan='2'></code> merges columns.</li>
        <li><b>Alignment:</b> <code><td align='center'></code> for horizontal alignment.</li>
        <li>All data above is related to <strong>Kunal Kumar</strong>.</li>
    </ul>
</body>
</html>
```



About Me: Kunal Kumar

This page demonstrates a table-based layout using merged cells, alignment, and caption while introducing me.

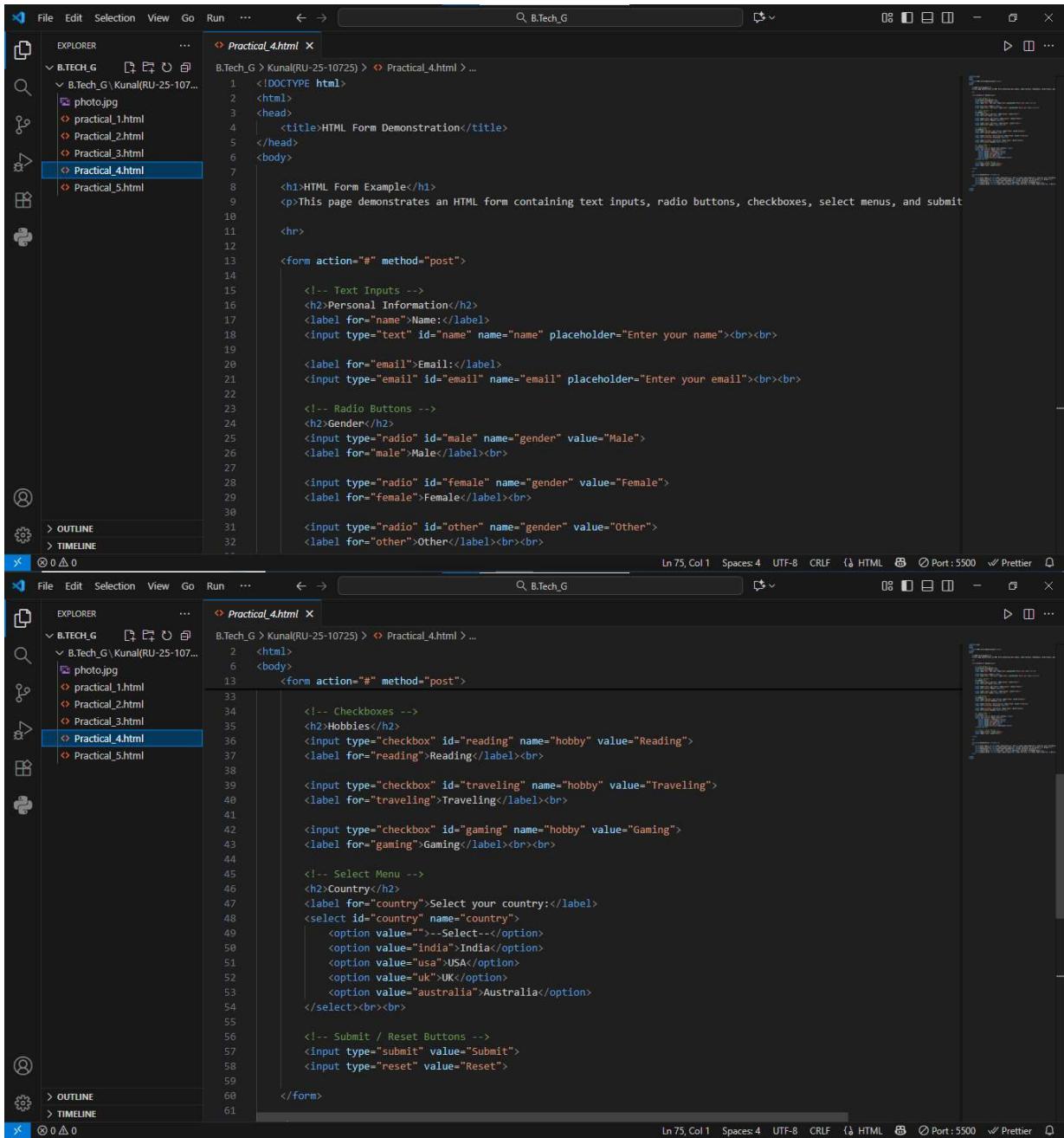
Personal Information

Name	Education	Skills	Hobbies
Kunal Kumar	B Tech (AI & ML)	HTML, Python	Coding
	Projects	Machine Learning Basics	Reading
Additional Info	Quick Overview		Gaming
Contact	Email: kunalhp49@gmail.com	Phone: +91 9955008447	Exploring AI

Explanation:

- **Caption:** The `<caption>` tag gives a title to the table.
- **Merged Cells:** `rowspan` merges rows; `colspan` merges columns.
- **Alignment:** `align` for horizontal alignment.
- All data above is related to **Kunal Kumar**.

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



The image shows two side-by-side screenshots of a code editor interface, likely Visual Studio Code, displaying the same HTML file in two different states. Both screens show the file structure in the Explorer sidebar and the code in the main editor area. The status bar at the bottom of each screen indicates the file is 'Practical_4.html', has 75 lines, and is in Col 1. It also shows settings like 'Spaces: 4', 'UTF-8', 'CRLF', and 'HTML' mode.

Top Screenshot (Line 13 to Line 55):

```
<form action="#" method="post">
    <!-- Text Inputs -->
    <h2>Personal Information</h2>
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" placeholder="Enter your name"><br><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" placeholder="Enter your email"><br><br>

    <!-- Radio Buttons -->
    <h2>Gender</h2>
    <input type="radio" id="male" name="gender" value="Male">
    <label for="male">Male</label><br>

    <input type="radio" id="female" name="gender" value="Female">
    <label for="female">Female</label><br>

    <input type="radio" id="other" name="gender" value="Other">
    <label for="other">Other</label><br><br>
```

Bottom Screenshot (Line 13 to Line 61):

```
<form action="#" method="post">
    <!-- Checkboxes -->
    <h2>Hobbies</h2>
    <input type="checkbox" id="reading" name="hobby" value="Reading">
    <label for="reading">Reading</label><br>

    <input type="checkbox" id="traveling" name="hobby" value="Traveling">
    <label for="traveling">Traveling</label><br>

    <input type="checkbox" id="gaming" name="hobby" value="Gaming">
    <label for="gaming">Gaming</label><br><br>

    <!-- Select Menu -->
    <h2>Country</h2>
    <label for="country">Select your country:</label>
    <select id="country" name="country">
        <option value="">-Select-</option>
        <option value="india">India</option>
        <option value="usa">USA</option>
        <option value="uk">UK</option>
        <option value="australia">Australia</option>
    </select><br><br>

    <!-- Submit / Reset Buttons -->
    <input type="submit" value="Submit">
    <input type="reset" value="Reset">
```

```
<html>
<body>
<form action="#" method="post">
</select><br><br>
<!-- Submit / Reset Buttons -->
<input type="submit" value="Submit">
<input type="reset" value="Reset">
</form>
<hr>
<p><strong>Explanation:</strong></p>
<ul>
<li><b>Text Input:</b> &lt;input type="text"&gt; and &lt;input type="email"&gt; used for user information.</li>
<li><b>Radio Buttons:</b> &lt;input type="radio"&gt; allows selection of one option in a group.</li>
<li><b>Checkboxes:</b> &lt;input type="checkbox"&gt; allows multiple selections.</li>
<li><b>Select Menu:</b> &lt;select&gt; with &lt;option&gt; provides a dropdown menu.</li>
<li><b>Submit/Reset:</b> &lt;input type="submit"&gt; sends the form; &lt;input type="reset"&gt; clears all fields.</li>
</ul>
</body>
</html>
```

HTML Form Example

This page demonstrates an HTML form containing text inputs, radio buttons, checkboxes, select menus, and submit/reset buttons.

Personal Information

Name:

Email:

Gender

- Male
- Female
- Other

Hobbies

- Reading
- Traveling
- Gaming

Country

Select your country:

Explanation:

- **Text Input:** <input type="text"> and <input type="email"> used for user information.
- **Radio Buttons:** <input type="radio"> allows selection of one option in a group.
- **Checkboxes:** <input type="checkbox"> allows multiple selections.
- **Select Menu:** <select> with <option> provides a dropdown menu.
- **Submit/Reset:** <input type="submit"> sends the form; <input type="reset"> clears all fields.

5. Use semantic elements

(`<article>`,`<section>`,`<nav>`,`<aside>`,`<footer>`) to build a structured web page

The screenshot displays two instances of the Practical_5.html file in Visual Studio Code. Both instances show the following semantic HTML code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Semantic HTML Web Page - About Me</title>
</head>
<body>

    <!-- Navigation -->
    <nav>
        <h2>Website Navigation</h2>
        <ul>
            <li><a href="#">Home</a></li>
            <li><a href="#">About Me</a></li>
            <li><a href="#">Articles</a></li>
            <li><a href="#">Contact</a></li>
        </ul>
    </nav>
    <hr>

    <!-- Main Section -->
    <section id="home">
        <h1>Welcome to My Personal Web Page</h1>
        <p>This page demonstrates semantic HTML elements while introducing <strong>me</strong>. Using tags like &lt;ar</p>
    </section>
    <hr>

    <!-- About Me Section -->
    <section id="about">
        <h2>About Me</h2>
    </section>

```

The bottom instance of the file includes additional sections:

```

    <!-- About Me Section -->
    <section id="about">
        <h2>About Me</h2>
        <p>Hi! My name is <strong>Kunal Kumar</strong>. I am a B.Tech student specializing in Artificial Intelligence<br/><p>My hobbies include reading, exploring new tech, and practicing programming challenges regularly.</p>
    </section>
    <hr>

    <!-- Achievements Section -->
    <section id="articles">
        <h2>My Achievements</h2>
        <article>
            <h3>Website Development:</h3>
            <p>Created and deployed responsive website using HTML, CSS, and JavaScript</p>
        </article>
        <article>
            <h3>Python Projects:</h3>
            <p>Completed beginner and intermediate Python projects like Student Management System and more.</p>
        </article>
        <article>
            <h3>Hackathon Participation:</h3>
            <p>Took part in Smart India Hackathon (SIH), gaining real-world problem-solving experience.</p>
        </article>
        <article>
            <h3>Continuous Learning:</h3>

```

The image shows two instances of the Visual Studio Code (VS Code) interface side-by-side, both displaying the same file: 'Practical_5.html'. The file is located in a folder named 'B.TECH_G' under 'B.Tech_G\Kunal(RU-25-107...)'. The code is an HTML document with the following structure:

```
<html lang="en">
  <body>
    <section id="articles">
      <article>
        <h3>Continous Learning:</h3>
        <p>Actively building skills in Artificial Intelligence, Machine Learning, and Web Development.</p>
      </article>
    </section>
    <hr>
    <!-- Sidebar -->
    <aside>
      <h2>Quick Info</h2>
      <p>Name: Kunal Kumar</p>
      <p>Degree: B.Tech (AI & ML)</p>
      <p>Skills: HTML, CSS, Python, Basic Power BI, Numpy, Pandas</p>
    </aside>
    <hr>
    <!-- Contact Section -->
    <section id="contact">
      <h2>Contact Me</h2>
      <p>Email: kunalhjp49@gmail.com</p>
      <p>Phone: +91 9955008447</p>
    </section>
    <hr>
    <!-- Footer -->
    <footer>
      <p>&copy; 2025 Kunal Kumar. All rights reserved.</p>
    </footer>
  </body>
</html>
```

The status bar at the bottom of each VS Code window indicates the file is at Line 84, Column 1, with 84 spaces, using UTF-8 encoding, CRLF line endings, and is an HTML file. It also shows port 5500 is open and Prettier is active.

The screenshot shows a web browser window with the title "Semantic HTML Web Page - ABC". The address bar displays the URL "127.0.0.1:5500/B.Tech_G/Kunal(RU-25-10725)/Practical_5.html". The page content is as follows:

Website Navigation

- [Home](#)
- [About Me](#)
- [My Achievements](#)
- [Contact](#)

Welcome to My Personal Web Page

This page demonstrates semantic HTML elements while introducing me. Using tags like <article>, <section>, <nav>, <aside>, and <footer>, we create a clean and structured layout.

About Me

Hi! My name is **Kunal Kumar**. I am a B.Tech student specializing in Artificial Intelligence and Machine Learning. I love coding, solving problems, and learning new web technologies. I am passionate about creating clean and structured web pages using semantic HTML.

My hobbies include reading, exploring new tech, and practicing programming challenges regularly.

My Achievements

Website Development:

Created and deployed responsive website using HTML, CSS, and JavaScript

Python Projects:

Completed beginner and intermediate Python projects like Student Management System and more.

Created and deployed responsive website using HTML, CSS, and JavaScript

Python Projects:

Completed beginner and intermediate Python projects like Student Management System and more.

Hackathon Participation:

Took part in Smart India Hackathon (SIH), gaining real-world problem-solving experience.

Continuous Learning:

Actively building skills in Artificial Intelligence, Machine Learning, and Web Development.

Quick Info

Name: Kunal Kumar
Degree: B Tech (AI & ML)
Skills: HTML, CSS, Python, Basic Power BI, Numpy, Pandas

Contact Me

Email: kunalhjp49@gmail.com
Phone: +91 9955008447

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