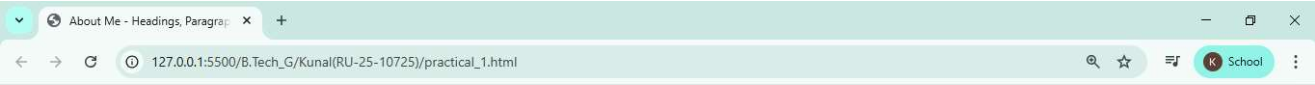


# 1. Create +C46:C65a basic HTML web page using headings, paragraphs, and text formatting tags.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>About Me - Headings, Paragraphs & Text Formatting</title>
5 </head>
6 <body>
7
8   <h1>Welcome to My Web Page</h1>
9   <p>Hi! My name is <strong>Kunal Kumar</strong>. This page demonstrates HTML headings,
10  paragraphs, and text formatting tags while introducing <em>me</em>.</p>
11
12   <hr>
13
14   <h2>Headings in HTML</h2>
15   <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>
16
17   <h1>About Me - Heading 1</h1>
18   <h2>Education - Heading 2</h2>
19   <h3>Projects - Heading 3</h3>
20   <h4>Hobbies - Heading 4</h4>
21   <h5>Skills - Heading 5</h5>
22   <h6>Contact - Heading 6</h6>
23
24   <hr>
25
26   <h2>Paragraphs</h2>
27   <p>I am a B.Tech student specializing in Artificial Intelligence and Machine Learning. I enjoy coding,
28  problem-solving, and learning new web technologies.</p>
29
30   <hr>
31
32   <h2>Text Formatting Tags</h2>
33   <p><b>Bold Text:</b> My name is <b>Kunal Kumar</b>.</p>
34   <p><strong>Strong Text:</strong> I am <strong>passionate</strong> about programming.</p>
35   <p><i>Italic Text:</i> I love <i>learning new technologies</i>.</p>
36   <p><em>Emphasized Text:</em> My focus is on <em>Artificial Intelligence</em>.</p>
37   <p><u>Underlined Text:</u> I am currently <u>pursuing B.Tech</u>.</p>
38   <p><mark>Highlighted Text:</mark> My favorite subject is <mark>Machine Learning</mark>.</p>
39   <p>Chemical Formula: H<sub>2</sub>O</p>
40   <p>Mathematical notation: x<sup>2</sup> + y<sup>2</sup></p>
41
42   <hr>
43
44   <h2>Conclusion</h2>
45   <p>This page demonstrates HTML headings, paragraphs, and text formatting tags using information about
46   <strong>Kunal Kumar</strong>.</p>
47 </body>
48 </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

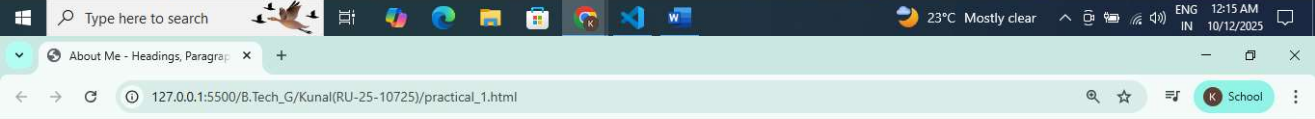
#### Hobbies - Heading 4

##### 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: H<sub>2</sub>O

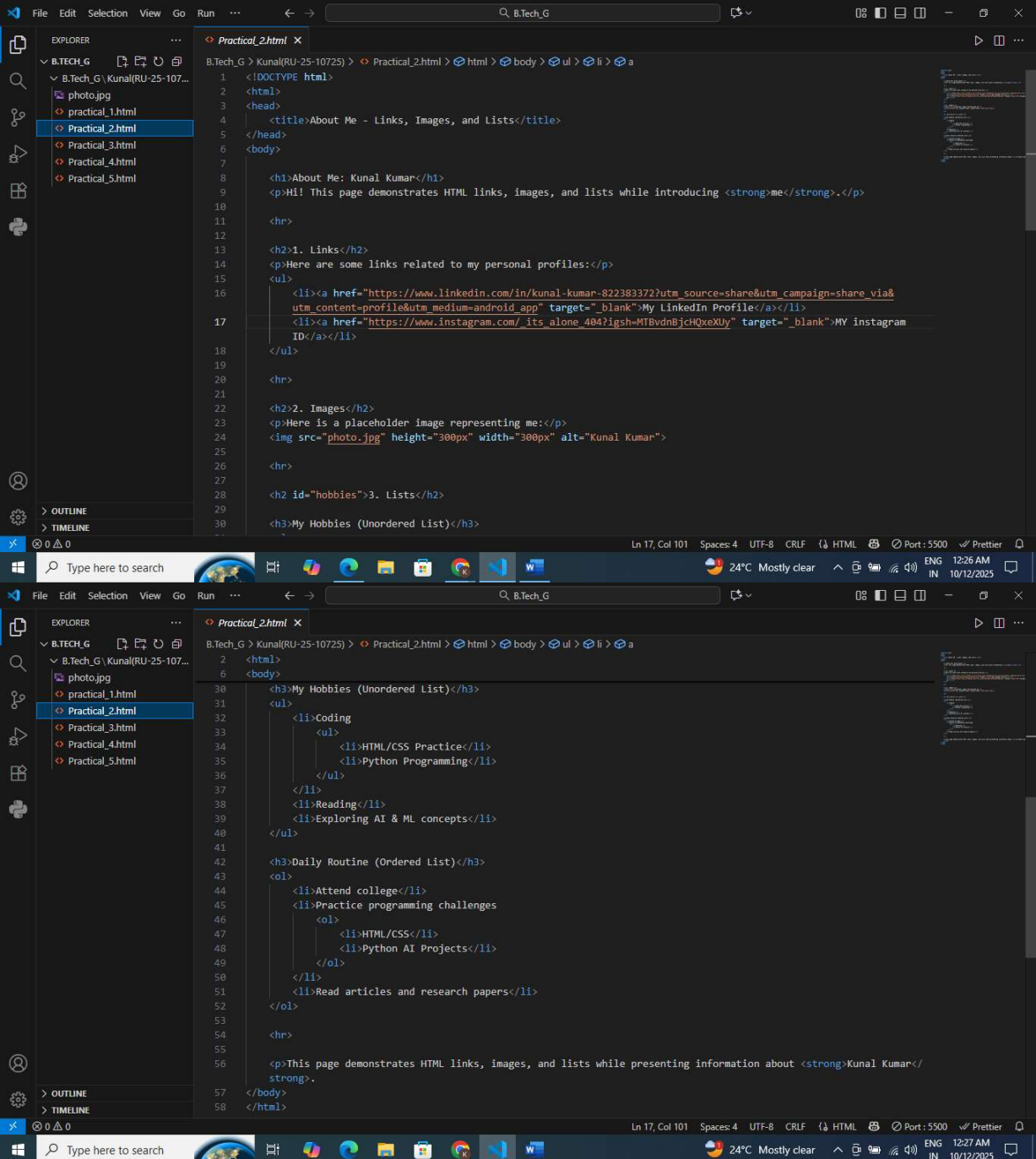
Mathematical notation:  $x^2 + y^2$

## Conclusion

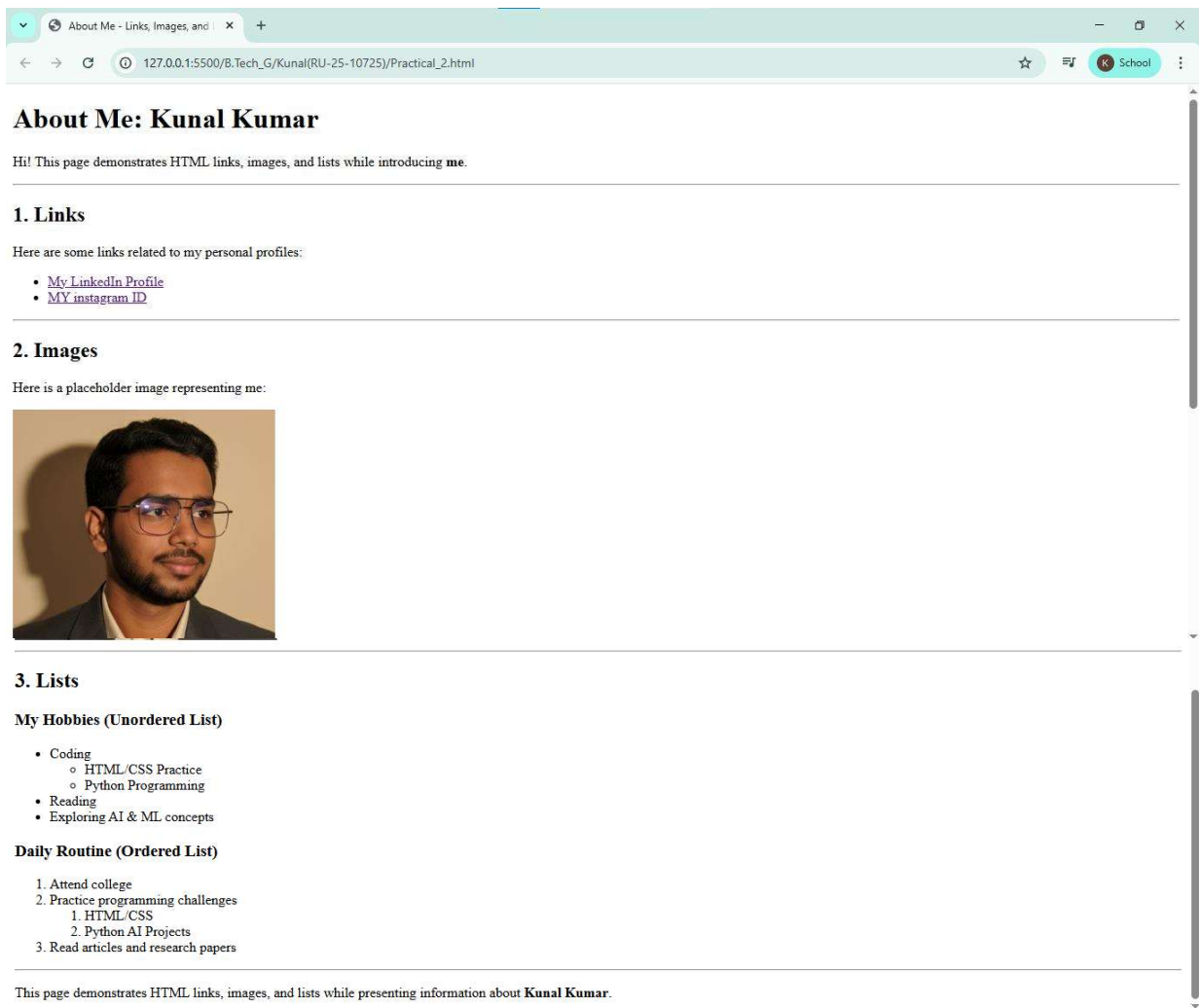
This page demonstrates HTML headings, paragraphs, and text formatting tags using information about **Kunal Kumar**.



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



```
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   <hr>
12
13   <h2>1. Links</h2>
14   <p>Here are some links related to my personal profiles:</p>
15   <ul>
16     <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>
17     <li><a href="https://www.instagram.com/_its_alone_404?igsh=MTBvdnBjcHQxeUY" target="_blank">MY Instagram ID</a></li>
18   </ul>
19
20   <hr>
21
22   <h2>2. Images</h2>
23   <p>Here is a placeholder image representing me:</p>
24   
25
26   <hr>
27
28   <h2 id="hobbies">3. Lists</h2>
29
30   <h3>My Hobbies (Unordered List)</h3>
31   <ul>
32     <li>Coding
33       <ul>
34         <li>HTML/CSS Practice</li>
35         <li>Python Programming</li>
36       </ul>
37     </li>
38     <li>Reading</li>
39     <li>Exploring AI & ML concepts</li>
40   </ul>
41
42   <h3>Daily Routine (Ordered List)</h3>
43   <ol>
44     <li>Attend college</li>
45     <li>Practice programming challenges
46       <ol>
47         <li>HTML/CSS</li>
48         <li>Python AI Projects</li>
49       </ol>
50     </li>
51     <li>Read articles and research papers</li>
52   </ol>
53
54   <hr>
55
56   <p>This page demonstrates HTML links, images, and lists while presenting information about <strong>Kunal Kumar</strong>.</p>
57 </body>
58 </html>
```



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

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>About Me - Table Layout</title>
5 </head>
6 <body>
7
8   <h1>About Me: Kunal Kumar</h1>
9   <p>This page demonstrates a table-based layout using merged cells, alignment, and caption while introducing <strong>
10
11   <hr>
12
13   <table border="1" cellspacing="0" cellpadding="8">
14     <caption><strong>Personal Information</strong></caption>
15
16     <tr>
17       <th>Name</th>
18       <th>Education</th>
19       <th>Skills</th>
20       <th>Hobbies</th>
21     </tr>
22
23     <tr>
24       <td rowspan="2" align="center">Kunal Kumar</td>
25       <td>B.Tech (AI & ML)</td>
26       <td>HTML, Python</td>
27       <td align="center">Coding</td>
28     </tr>
29
30     <tr>
31       <td>Projects</td>
32       <td>Machine Learning Basics</td>
33     </tr>
34   </table>
35
36   <tr>
37     <td>Additional Info</td>
38     <td colspan="2" align="center">Quick Overview</td>
39     <td align="center">Gaming</td>
40   </tr>
41
42   <tr>
43     <td>Contact</td>
44     <td>Email: kunalhjp49@gmail.com</td>
45     <td>Phone: +91 9955088447</td>
46     <td align="center">Exploring AI</td>
47   </tr>
48 </table>
49
50 <hr>
51
52 <p><strong>Explanation:</strong></p>
53 <ul>
54   <li><b>Caption:</b> The <caption> tag gives a title to the table.</li>
55   <li><b>Merged Cells:</b> <code>rowspan</code> merges rows; <code>colspan</code> merges columns.</li>
56   <li><b>Alignment:</b> <code>align</code> for horizontal alignment.</li>
57   <li>All data above is related to <strong>Kunal Kumar</strong>.</li>
58 </ul>
59
60 </body>
61 </html>
```

# About Me: Kunal Kumar

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

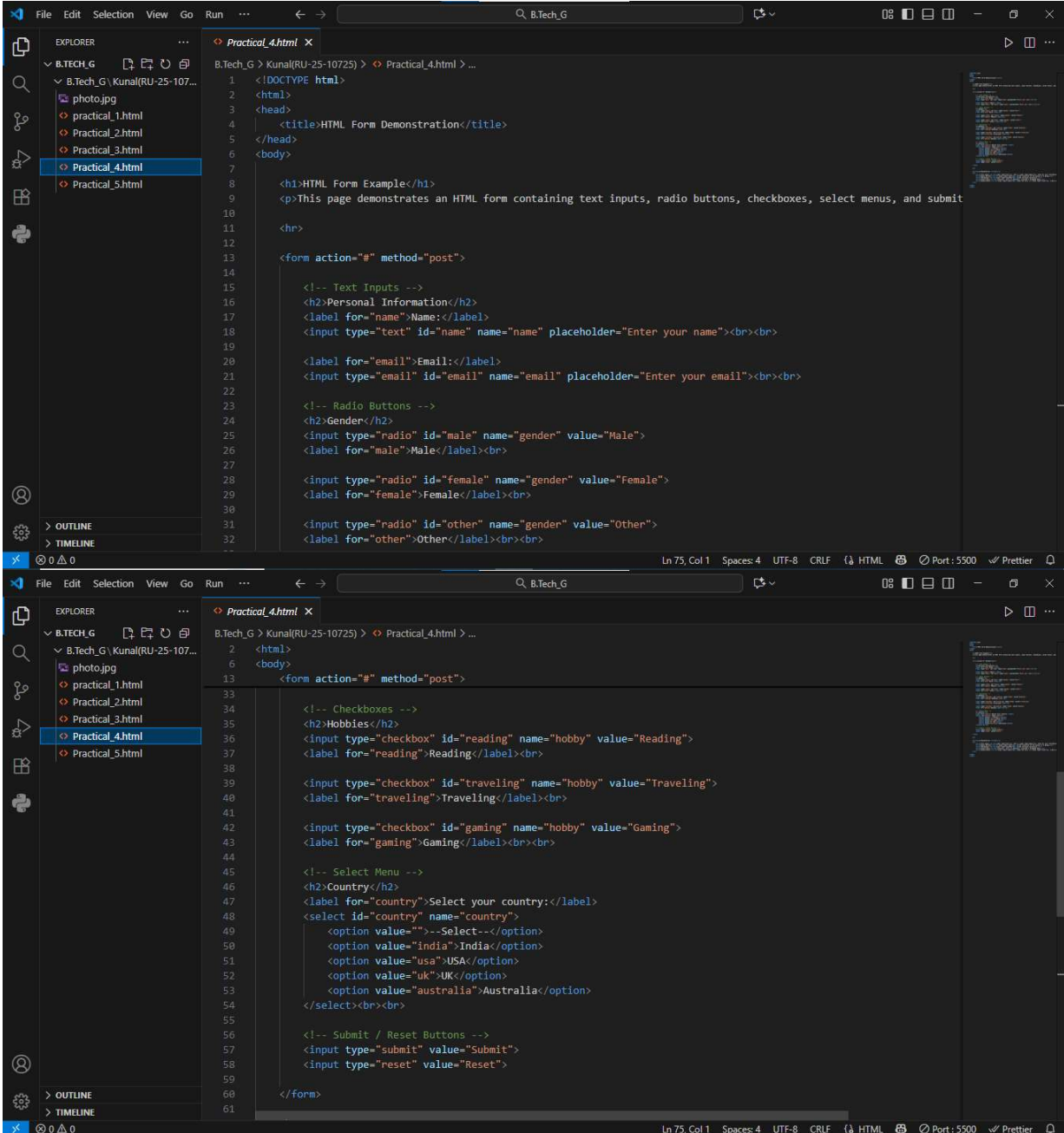
| Personal Information |                             |                         |              |
|----------------------|-----------------------------|-------------------------|--------------|
| Name                 | Education                   | Skills                  | Hobbies      |
| Kunal Kumar          | B.Tech (AI & ML)            | HTML, Python            | Coding       |
|                      | Projects                    | Machine Learning Basics | Reading      |
| Additional Info      | Quick Overview              |                         | Gaming       |
| Contact              | Email: kunalhjp49@gmail.com | Phone: +91 9955008447   | Exploring AI |

Explanation:

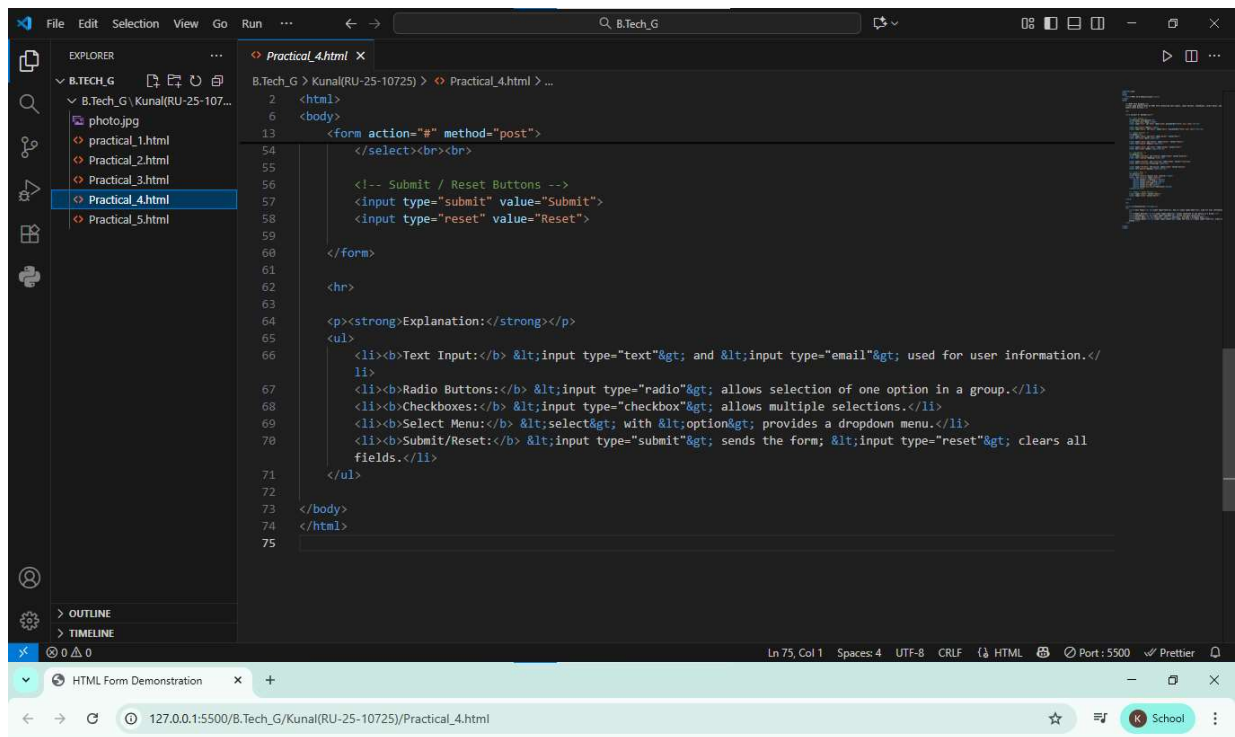
- **Caption:** The <caption> tag gives a title to the table.
- **Merged Cells:** rowspan merges rows; colspan merges columns.
- **Alignment:** align for horizontal alignment.
- All data above is related to **Kunal Kumar**.



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



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>HTML Form Demonstration</title>
5 </head>
6 <body>
7
8   <h1>HTML Form Example</h1>
9   <p>This page demonstrates an HTML form containing text inputs, radio buttons, checkboxes, select menus, and submit
10
11   <hr>
12
13   <form action="#" method="post">
14
15     <!-- Text Inputs -->
16     <h2>Personal Information</h2>
17     <label for="name">Name:</label>
18     <input type="text" id="name" name="name" placeholder="Enter your name"><br><br>
19
20     <label for="email">Email:</label>
21     <input type="email" id="email" name="email" placeholder="Enter your email"><br><br>
22
23     <!-- Radio Buttons -->
24     <h2>Gender</h2>
25     <input type="radio" id="male" name="gender" value="Male">
26     <label for="male">Male</label><br>
27
28     <input type="radio" id="female" name="gender" value="Female">
29     <label for="female">Female</label><br>
30
31     <input type="radio" id="other" name="gender" value="Other">
32     <label for="other">Other</label><br><br>
33
34     <!-- Checkboxes -->
35     <h2>Hobbies</h2>
36     <input type="checkbox" id="reading" name="hobby" value="Reading">
37     <label for="reading">Reading</label><br>
38
39     <input type="checkbox" id="traveling" name="hobby" value="Traveling">
40     <label for="traveling">Traveling</label><br>
41
42     <input type="checkbox" id="gaming" name="hobby" value="Gaming">
43     <label for="gaming">Gaming</label><br><br>
44
45     <!-- Select Menu -->
46     <h2>Country</h2>
47     <label for="country">Select your country:</label>
48     <select id="country" name="country">
49       <option value="">--Select--</option>
50       <option value="india">India</option>
51       <option value="usa">USA</option>
52       <option value="uk">UK</option>
53       <option value="australia">Australia</option>
54     </select><br><br>
55
56     <!-- Submit / Reset Buttons -->
57     <input type="submit" value="Submit">
58     <input type="reset" value="Reset">
59
60   </form>
61
```



## 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 shows the VS Code editor interface with the file explorer on the left displaying a project named "B.TECH\_G". The file explorer lists files like "photo.jpg", "practical\_1.html", "practical\_2.html", "practical\_3.html", "practical\_4.html", and "Practical\_5.html". The main editor area displays the code for "Practical\_5.html". The code includes a DOCTYPE declaration, meta charset, title, navigation section, main section, and about me section. The navigation section contains links for Home, About Me, My Achievements, and Contact. The main section contains a welcome message and a paragraph about semantic HTML. The about me section contains a paragraph about Kunal Kumar, his hobbies, and his achievements.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Semantic HTML Web Page - About Me</title>
6 </head>
7 <body>
8
9   <!-- Navigation -->
10  <nav>
11    <h2>Website Navigation</h2>
12    <ul>
13      <li><a href="#home">Home</a></li>
14      <li><a href="#about">>About Me</a></li>
15      <li><a href="#articles">My Achievements</a></li>
16      <li><a href="#contact">>Contact</a></li>
17    </ul>
18  </nav>
19
20  <hr>
21
22  <!-- Main Section -->
23  <section id="home">
24    <h1>Welcome to My Personal Web Page</h1>
25    <p>This page demonstrates semantic HTML elements while introducing <strong>me</strong>. Using tags like &lt;br>ar
26  </section>
27
28  <hr>
29
30  <!-- About Me Section -->
31  <section id="about">
32    <h2>About Me</h2>
33
34    <!-- About Me Section -->
35    <section id="about">
36      <h2>About Me</h2>
37
38      <p>Hi! My name is <strong>Kunal Kumar</strong>. I am a B.Tech student specializing in Artificial Intelligence
39      <p>My hobbies include reading, exploring new tech, and practicing programming challenges regularly.</p>
40    </section>
41
42    <hr>
43
44    <!-- Achievements Section -->
45    <section id="articles">
46      <h2>My Achievements</h2>
47
48      <article>
49        <h3>Website Development:</h3>
50        <p>Created and deployed responsive website using HTML, CSS, and JavaScript</p>
51      </article>
52
53      <article>
54        <h3>Python Projects:</h3>
55        <p>Completed beginner and intermediate Python projects like Student Management System and more.</p>
56      </article>
57
58      <article>
59        <h3>Hackathon Participation:</h3>
60        <p>Took part in Smart India Hackathon (SIH), gaining real-world problem-solving experience.</p>
61      </article>
62
63      <article>
64        <h3>Continuous Learning:</h3>
```

