LAB RECORD
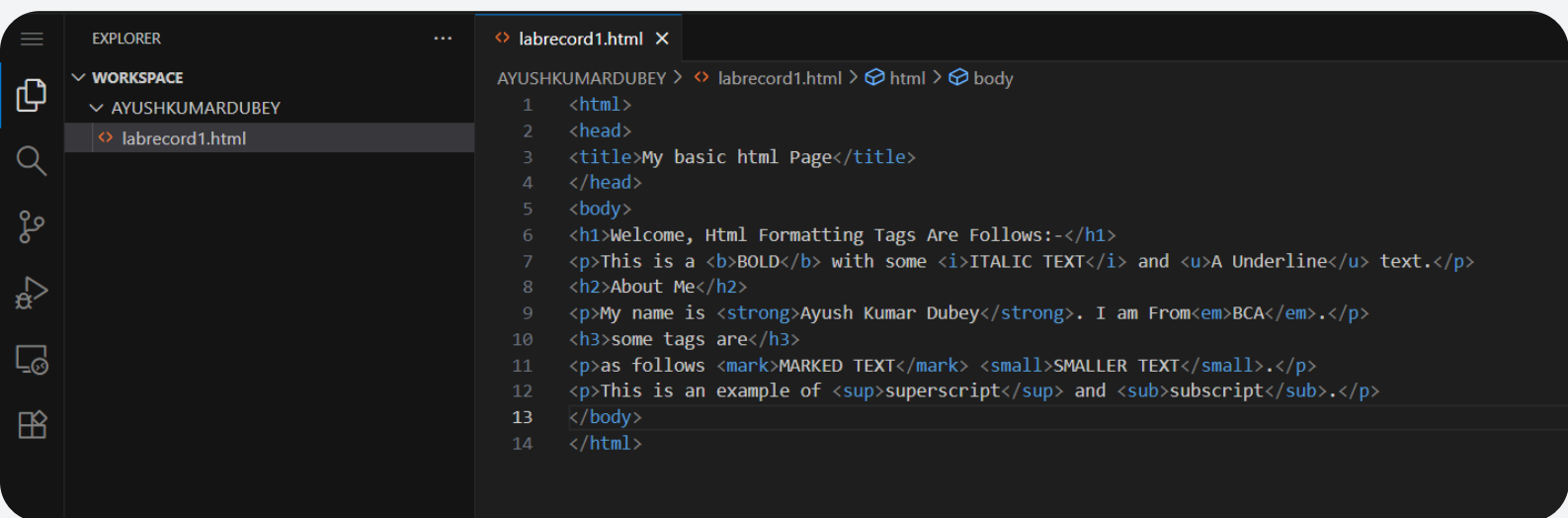
Q.No.1 Create a basic HTML web page using headings, paragraphs, and text formatting tags

```html
1   <html>
2   <head>
3   <title>My basic html Page</title>
4   </head>
5   <body>
6   <h1>Welcome, Html Formatting Tags Are Follows:-</h1>
7   <p>This is a <b>BOLD</b> with some <i>ITALIC TEXT</i> and <u>A Underline</u> text.</p>
8   <h2>About Me</h2>
9   <p>My name is <strong>Ayush Kumar Dubey</strong>. I am From<em>BCA</em>.</p>
10  <h3>some tags are</h3>
11  <p>as follows <mark>MARKED TEXT</mark> <small>SMALLER TEXT</small>.</p>
12  <p>This is an example of <sup>superscript</sup> and <sub>subscript</sub>.</p>
13  </body>
14  </html>
```

<b> - Bold text <strong> - Important text <i> - Italic text <em> - Emphasized text

<ins> - Inserted text <sub> - Subscript text <sup> - Superscript text

My basic html Page

D:/BCA_A1/AYUSHKUMARDUBEY/labrecord1.html

Welcome, Html Formatting Tags Are Follows:-

This is a **BOLD** with some *ITALIC TEXT* and A Underline text.

About Me

My name is **Ayush Kumar Dubey**. I am From *BCA*.

some tags are

as follows MARKED TEXT SMALLER TEXT.

This is an example of superscript and subscript.
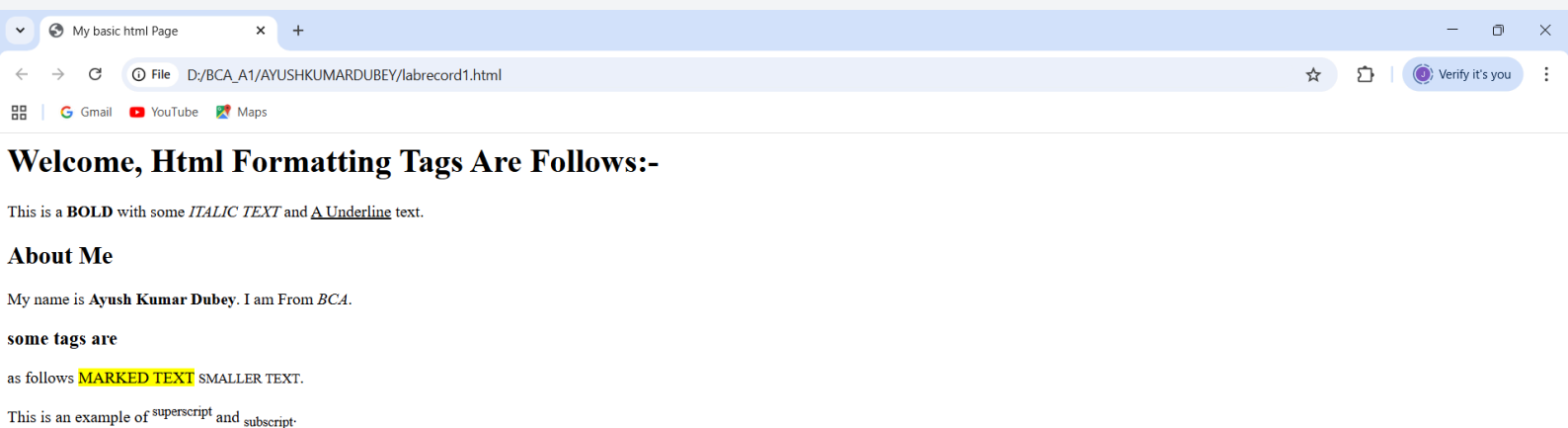
<mark> - Marked text <small> - Smaller text
<del> - Deleted text

Q.No.2 Design a webpage demonstrating HTML links, images, and lists (ordered, unordered, nested)

<a> tag for link <img> tag for image Basic HTML setup

 and <ul> for ordered/unordered lists
Nested <ul> inside
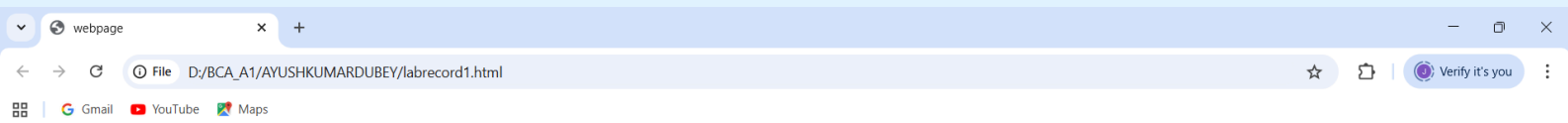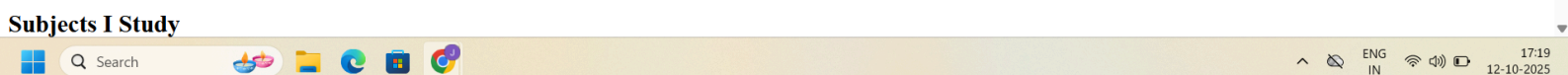
Here is output showcasing HTML links, images,

lists (ordered, unordered, nested)

```
AYUSHKUMARDUBEY > <> labrecord1.html > ⊘ html > ⊘ body > ⊘ table > ⊘ tr > ⊘ td
 1  <html>
 2  <head>
 3  <title>Table Layout</title>
 4  </head>
 5  <body>
 6  <table border="1" cellpadding="10" cellspacing="0" align="center">
 7  <caption><strong>Student Timetable</strong></caption>
 8  <tr>
 9  <th rowspan="2">Day</th>
10  <th colspan="7">Subjects</th>
11  </tr>
12  <tr>
13  <th>9 AM - 10 AM</th>
14  <th>10 AM - 11 AM</th>
15  <th>11 AM - 12 PM</th>
16  <th>12 PM -  1 PM</th>
17  <th>1  PM -  2 PM</th>
18  <th>2  PM -  3 PM</th>
19  <th>3  PM -  4 PM</th>
20   </tr>
21  <tr>
22  <td align="center">Monday</td>
23  <td align="center">Math</td>
24  <td align="center">IWI</td>
25  <td align="center">PFC</td>
26  <td align="center">NALS</td>
27  <td align="center">LUNCH</td>
28  <td align="center">LAB</td>
29  <td align="center">C.P</td>
```

```
AYUSHKUMARDUBEY > <> labrecord1.html > ⊘ html > ⊘ body > ⊘ table > ⊘ tr > ⊘ td
 1  <html>
 5  <body>
 6  <table border="1" cellpadding="10" cellspacing="0" align="center">
21  <tr>
29  <td align="center">C.P</td>
30  </tr>
31  <tr>
32  <td align="center">Tuesday</td>
33  <td colspan="2" align="center">IWI</td>
34  <td align="center">PFC</td>
35  <td align="center">CDC</td>
36  <td align="center">LUNCH</td>
37  <td colspan="2" align="center">CDC</td>
38  </tr>
39  <tr>
40  <td align="center">Wednesday</td>
41  <td align="center">Math</td>
42  <td align="center">CP</td>
43  <td colspan="2" align="center">Computer Lab</td>
44  <td align="center">LUNCH</td>
45  <td align="center">DL</td>
46  <td align="center">C.P</td>
47  </tr>
48  <tr>
49  <td align="center">Thursday</td>
50  <td align="center">CDC</td>
51  <td align="center">IWI</td>
52  <td align="center">C.P</td>
53  <td align="center">Breather</td>
```
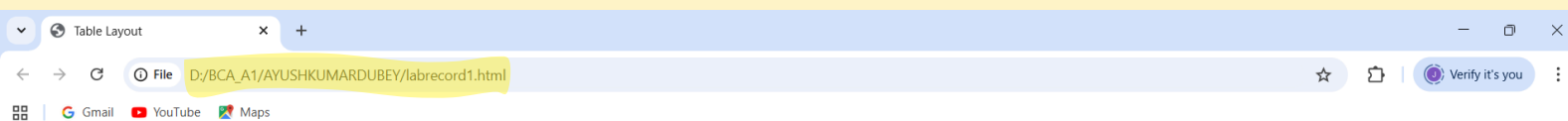
```
52  <td align="center">C.P</td>
53  <td align="center">Breather</td>
54  <td align="center">LUNCH</td>
55  <td align="center">NALS</td>
56  <td align="center">PFC</td>
57  </tr>
58  <tr>
59  <td align="center">Friday</td>
60  <td colspan="2" align="center">Computer Lab</td>
61  <td align="center">PFC</td>
62  <td align="center">IWI</td>
63  <td colspan="3" align="center">     </td>
64  </tr>
65  <tr>
66  <td align="center">Saturday</td>
67  <td align="center">Math</td>
68  <td align="center">CP</td>
69  <td colspan="5" align="center"></td>
70  </tr>
71  </table>
72  </body>
73  </html>
```

Table showing merged cells using rowspan and colspan

Day	Subjects						
	9 AM - 10 AM	10 AM - 11 AM	11 AM - 12 PM	12 PM - 1 PM	1 PM - 2 PM	2 PM - 3 PM	3 PM - 4 PM
Monday	Math	IWI	PFC	NALS	LUNCH	LAB	C.P
Tuesday	IWI		PFC	CDC	LUNCH	CDC	
Wednesday	Math	CP	Computer Lab		LUNCH	DL	C.P
Thursday	CDC	IWI	C.P	Breather	LUNCH	NALS	PFC
Friday	Computer Lab		PFC	IWI			
Saturday	Math	CP					

Merged cells improve readability by grouping common subjects and time slots using `rowspan` and `colspan` attributes in HTML tables.

Q.No.4 Design a webpage with an HTML form having text input, radio buttons, checkboxes, select menus, and submit/reset buttons

```html
<html>

<body>
<h2>Registration Form</h2>
<form action="#" method="post">

<label for="name">Name:</label>
<input type="text" id="name" name="name"><br><br>

<label>Gender:</label><br>
<input type="radio" name="gender" value="Male"> Male<br>
<input type="radio" name="gender" value="Female"> Female<br><br>

<label>clubs:</label><br>
<input type="checkbox" name="clubs" value="DANCEg">RANG<br>
<input type="checkbox" name="clubs" value="Traveling">DSR<br>
<input type="checkbox" name="hclubs" value="Sports">RUNVIJAY<br><br>

<label for="subject">Favorite Subject:</label>
<select
<option
<option
<option
</select><br><br>

<input type="submit" value="Submit">
<input type="reset" value="Reset">
</form>
</body>
</html>
```

The select element represents a control for selecting amongst a set of options.
⟨⟩ Widely available across major browsers (Baseline since 2015)
MDN Reference

OUTPUT

Registration Form

Name: [_____]

Gender:
○ Male
○ Female

clubs:
☐ RANG
☐ DSR
☐ RUNVIJAY

Favorite Subject: [HTML ▾]

[Submit] [Reset]

Registration Form

Name: [AYUSH KUMAR DUBEY]

Gender:
● Male
○ Female

clubs:
☑ RANG
☐ DSR
☑ RUNVIJAY

Favorite Subject: [HTML ▾]
    HTML
    C
    C.P

[Submit] [Reset]

```html
<html>
<head>
    <title>structured webpage</title>
</head>
<body>
    <header>
        <h1>structured webpage</h1>
        <p>A structured webpage made using semantic elements</p>
    </header>
<nav>
    <p><a href="#">Home</a> | <a href="#">Notes</a> | <a href="#">About Me</a></p>
</nav>

    <main>

    <article>
        <h2>SEMANTIC ELEMENTS</h2>

        <section>
            <h3>What is semantic elements</h3>
            <p>semantic elements are elements that clearly describe their meaning to both the browser and the developer. Unlike non-semantic elements, which
        </section>

        <section>
            <h3>Why It's Important</h3>
            <p>Using the right tags can help search engines and people understand your website better.</p>
        </section>
    </article>

    <aside>
        <h4>Extra Info</h4>
        <p>This is a labrecord</p>
    </aside>
</main>
<footer>
        <p>sumbit on 14/10/2025</p>
    </footer>
</body>
</html>
```

OUTPUT

structured webpage

A structured webpage made using semantic elements

Home | Notes | About Me

SEMANTIC ELEMENTS

What is semantic elements

semantic elements are elements that clearly describe their meaning to both the browser and the developer. Unlike non-semantic elements, which only define how content looks (e.g., <div> and <span>).

Why It's Important

Using the right tags can help search engines and people understand your website better.

Extra Info

This is a labrecord

sumbit on 14/10/2025