

EXPERIMENT-1

AIM: Create a Web Page for Course Curriculum: Use of Headings, Paragraphs, Bold, Italic, Underline, and Special Characters, Ordered List, Unordered List, Description List, Nested List, and Mixed Lists.

OBJECTIVE:

- To design a simple course curriculum webpage using HTML.
- To practice the use of basic text formatting tags (bold, italic, underline, special characters).
- To learn the implementation of ordered, unordered, description, nested, and mixed lists.
- To understand webpage content structuring using headings and paragraphs.

TOOLS:

- Computer / Laptop with any OS
- Text Editor (VS Code, Sublime Text, Notepad++)
- Web Browser (Chrome, Edge, Firefox)

CODE IMPLEMENTATION:

Index.html

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>EXPERIMENT-1</title>
</head>

<body bgcolor="skyblue" text="brown">
    <h1>MY INTRODUCTION</h1>
    <p> HELLO EVERYONE, I AM <i>ADITYA AMAN JHA</i> FROM <u>CSE12</u> AND
    THIS IS MY FIRST WEBPAGE WHERE I WILL BE PERFORMING <b>AN EXPERIMENT</b>
    WHICH WILL INCLUDE SOME OF THE LESSONS I HAVE LEARNT IN TODAY'S CLASS.</p>
    <h2>WHAT I HAVE LEARNT TODAY?</h2>
    <ol type="1">
        <li>Use of Headings</li>
        <li>Paragraphs</li>
        <li>Text Formatting</li>
        <li>Hyperlink tag</li>
        <li>Types of Lists</li>
    </ol>
```

<h3>Let's have a closure look towards what we have learnt in types of lists and how many types are there.</h3>

```
<ul>
<li>Ordered list</li>
<li>Unordered list</li>
<li>Mixed list</li>
<li>Nested list </li>
<li>Descriptive list</li>
</ul>
```

<h3>What is HYPERLINK TAG and how we use this? </h3>

```
<dl>
<dt><b>HYPERLINK TAG</b></dt>
```

<dd>The hyperlink tag in HTML is the <a> (anchor) tag, used to create clickable links that direct users to other web pages, documents, or different parts of the same page. It requires the href attribute to specify the destination URL and can include the target attribute to control if the link opens in a new tab (_blank) or the same window (_self)</dd>

```
</dl>
```

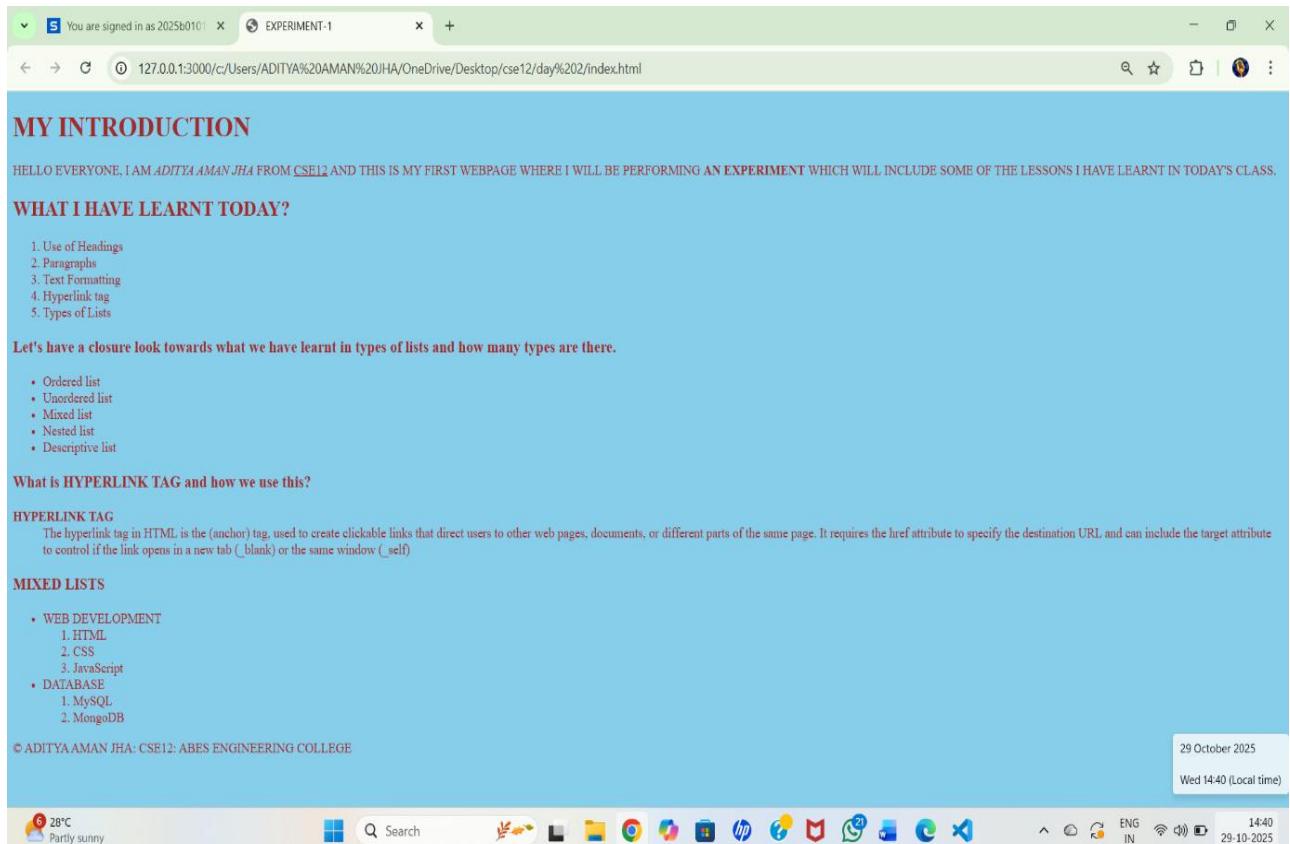
<h3>MIXED LISTS</h3>

```
<ul>
<li>WEB DEVELOPMENT</li>
<ol>
<li>HTML</li>
<li>CSS</li>
<li>JavaScript</li>
</ol>
<li>DATABASE</li>
<OL>
<LI>MySQL</LI>
<li>MongoDB</li>
</OL>
</ul>
```

<p>© ADITYA AMAN JHA: CSE12: ABES ENGINEERING COLLEGE</p>

```
</body>
</html>
```

OUTPUT:



OUTCOME:

- Successfully designed a basic course curriculum webpage.
- Implemented text formatting and different types of lists in HTML.
- Learned structuring and organizing content on a webpage.

EXPERIMENT-2

AIM: Create a Web Page for a News Website with Embedded YouTube Video, Hyperlinks, and Navigation Structure, and Insert Multimedia in a Webpage.

OBJECTIVE:

- To design a simple news website homepage using HTML and CSS.
- To learn how to embed YouTube videos into a webpage.
- To implement hyperlinks and navigation menus for easy browsing.
- To insert multimedia (images, videos, audio) in a webpage.

TOOLS:

- Computer / Laptop with any OS
- Text Editor (VS Code, Sublime Text, Notepad++)
- Web Browser (Chrome, Edge, Firefox)
- Internet connection (for YouTube embedding)

CODE IMPLEMENTATION:

Index.html

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>EXPERIMENT-2</title>
</head>
<body bgcolor="YELLOW">
    
    <h1>AAJ TAK-BREAKING NEWS</h1>
    <p> TODAY WE WILL SEE HOW TO ACCESS NEWS ONLINE IN PRESENT ERA. LOOK THERE IS SO MUCH NEWS CHANNELS OUT THERE BUT, TODAY WE WILL CONSIDER <strong>AAJ TAK</strong> .</p>
    <nav>
        <a href="https://www.google.com" target="_blank">GOOGLE</a>
        <h3>Then,</h3>
        <p><a href="https://www.youtube.com" target="_blank">YOUTUBE</a></p>
    </nav>
    Then,
```

```

<p><iframe width="560" height="315"
src="https://www.youtube.com/embed/oXocwMfQgsg?si=iCrjc0jf-b9IxPz" title="YouTube video
player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin"
allowfullscreen></iframe></p>

<p><iframe width="560" height="315"
src="https://www.youtube.com/embed/qkfhQonBGvU?si=YtMaTKEXA3Cm3sCN" title="YouTube
video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin"
allowfullscreen></iframe></p>

<p><iframe width="560" height="315"
src="https://www.youtube.com/embed/CyDHlj8vpnQ?si=oAijBxRwbeKSibPG" title="YouTube
video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin"
allowfullscreen></iframe></p>

<h2>That's it! you have landed on AAJ TAK and can watch news online.</h2>

<video src="VIDEO.mp4" CONTROLS></video>

<BR><BR>

<audio SRC="AUDIO.MP3" controls></audio>

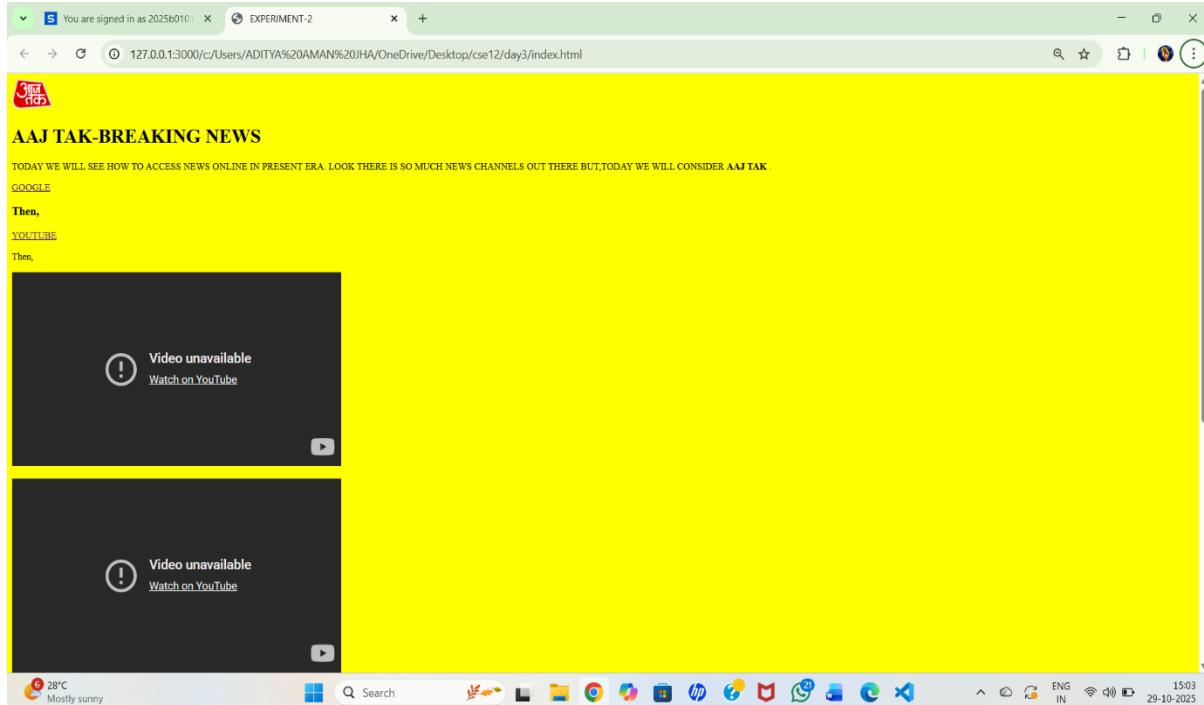
<p>&copy;ADITYA AMAN JHA: CSE12: ABES ENGINEERING COLLEGE</p>

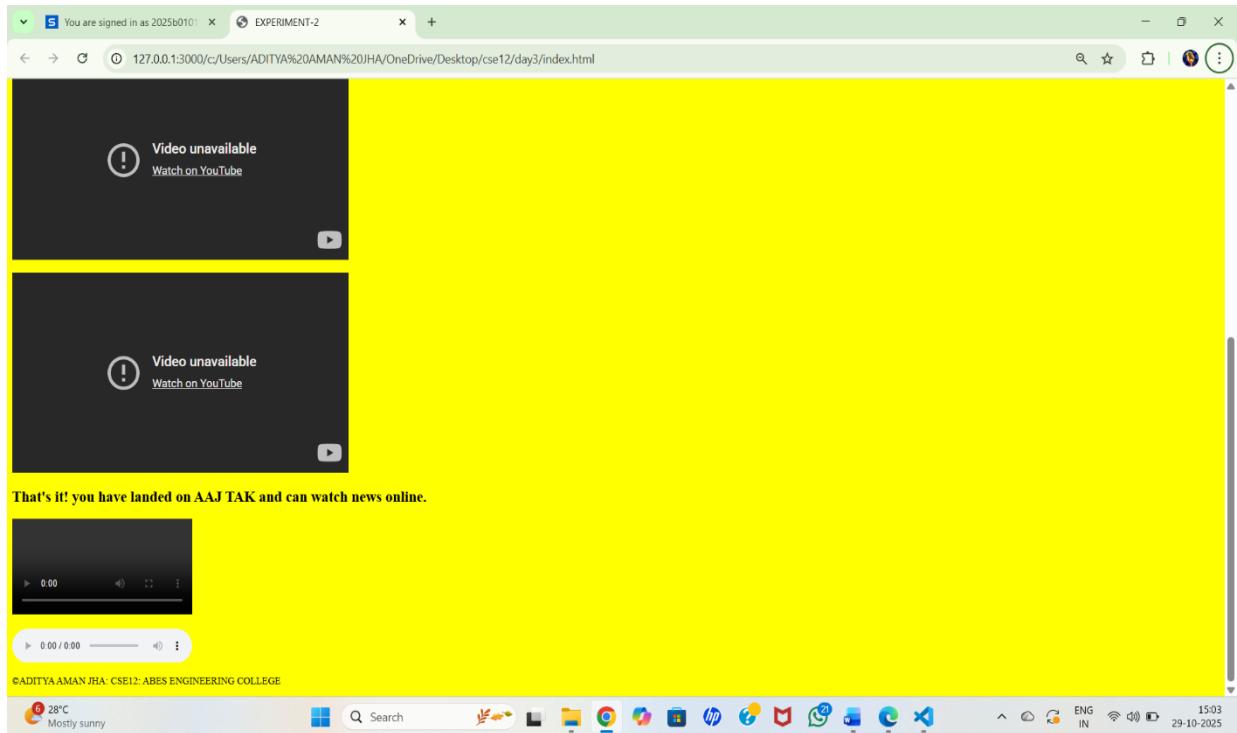
</body>

</html>

```

OUTPUT:





OUTCOME:

- Successfully designed a basic news website layout.
- Implemented hyperlinks, navigation, multimedia (image, audio, video), and embedded YouTube video.
- Learned practical webpage structuring techniques for media-rich sites.

EXPERIMENT-3

AIM: Create a Web Page for College Timetable: Use of Tables with Rowspan, Colspan, Headers, Captions, and Nested Tables.

OBJECTIVE:

- To design a college timetable webpage using HTML tables.
- To apply rowspan and colspan attributes for merging cells.
- To use table headers (), captions (), and formatting for readability.
- To implement nested tables within a timetable cell.

TOOLS:

- Computer / Laptop with any OS
- Text Editor (VS Code, Sublime Text, Notepad++)
- Web Browser (Chrome, Edge, Firefox)

CODE IMPLEMENTATION:

Index.html

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>TABLES</title>

</head>
<body bgcolor="yellow">
    <H1>EXPERIMENT WITH TABLES</H1>
    <table border="2" cellpadding="40" cellspacing="">
        <caption>CLASS TIMETABLE(CSE12)</caption>
        <TR>
            <TH>DAY</TH>
            <TH>8:50-9:40</TH>
            <TH>9:40-10:30</TH>
            <th>10:40-11:30</th>
            <TH>11:30-12:20</TH>
            <TH>12:20-1:10</TH>
```

```
</TR>
<TR>
<TH>MONDAY</TH>
<TD>AI</TD>
<TD>MATHS</TD>
<TD>APPLIED PHYSICS</TD>
<TD>ELECTRICAL</TD>
<TD rowspan="5">BREAK</TD>
</TR>
<TR>
<TH>TUESDAY</TH>
<TD colspan="2">APPLIED PHYSICS LAB</TD>
<TD>APPLIED PHYSICS</TD>
<TD>MATHS</TD>
</TR>
<TR>
<TH>WEDNESDAY</TH>
<TD>MATHS</TD>
<TD>EVS</TD>
<TD colspan="2">CAD LAB</TD>
</TR>
<TR>
<TH>THURSDAY</TH>
<TD colspan="2">DSA CLASS</TD>
<TD>MATHS</TD>
<TD>APPLIED PHYSICS</TD>
</TR>
<TR>
<TH>FRIDAY</TH>
<TD colspan="2">ELECTRICAL LAB</TD>
<TD>ELECTRICAL</TD>
<TD>WEB DEV</TD>
```

```

</TR>
<TR>
    <TD colspan="6">&COPY;ADITYA AMAN JHA: ABES ENGINEERING COLLEGE:  
CSE12</TD>
</TR>
</table>
</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with the title bar 'TABLES'. The address bar displays the URL '127.0.0.1:3000/c/Users/ADITYA%20AMAN%20JHA/OneDrive/Desktop/cse12/day4/index.html'. The main content area contains a table titled 'CLASS TIMETABLE(CSE12)'. The table has six columns representing time slots: 8:50-9:40, 9:40-10:30, 10:40-11:30, 11:30-12:20, 12:20-1:10, and a rowspan cell labeled 'BREAK'. The rows represent days of the week: Monday, Tuesday, Wednesday, Thursday, and Friday. Each row lists the subjects for that day. At the bottom of the table, there is a footer note: '©ADITYA AMAN JHA: ABES ENGINEERING COLLEGE: CSE12'.

CLASS TIMETABLE(CSE12)					
DAY	8:50-9:40	9:40-10:30	10:40-11:30	11:30-12:20	12:20-1:10
MONDAY	AI	MATHS	APPLIED PHYSICS	ELECTRICAL	
TUESDAY		APPLIED PHYSICS LAB	APPLIED PHYSICS	MATHS	
WEDNESDAY	MATHS	EVS	CAD LAB		BREAK
THURSDAY	DSA CLASS		MATHS	APPLIED PHYSICS	
FRIDAY	ELECTRICAL LAB		ELECTRICAL	WEB DEV	

©ADITYA AMAN JHA: ABES ENGINEERING COLLEGE: CSE12

OUTCOME:

- Successfully created a college timetable webpage using HTML tables.
- Implemented rowspan, colspan, headers, captions, and nested tables.
- Learned to organize tabular data in a structured webpage format.

EXPERIMENT-4

AIM: Create Web page for Hotel room booking form: Use of input fields, labels, select, textarea, and buttons.

OBJECTIVE:

- To design a hotel room booking form using HTML.
- To understand the use of input fields for collecting user details.
- To apply labels for form accessibility.
- To implement dropdown menus (select) and text areas.
- To create functional buttons for form submission and reset.

TOOLS:

- Computer / Laptop with any OS
- Text Editor (VS Code, Sublime Text, Notepad++)
- Web Browser (Chrome, Edge, Firefox)

CODE IMPLEMENTATION:

Index.html

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>FORMS</title>
</head>
<body bgcolor="WINE" text="WHITE">
    <center><H1>HOTEL BOOKING FORM</H1></center>
    <form input="post" border="1">
        <label for="username">FULLNAME:</label>
        <input type="text" pattern="[A-Z]" id="username" name="username" placeholder="FULLNAME" autofocus required>
    <DIV>
        <BR>
        <label for="email">E-MAIL:</label>
        <input type="email" id="email" name="email" placeholder="E-MAIL" required>
    </DIV>
    <BR>
```

```
<DIV>
    <label for="telephone">PHONE:</label>
    <input type="telephone" id="telephone" name="telephone" placeholder="PHONE NUMBER" required>
</DIV>
<BR>
<DIV>
    <label for="date">CHECK-IN-DATE:</label>
    <INPUT type="date" id="date" name="date" value="date" required>
</DIV>
<BR>
<DIV>
    <label for="date">CHECK-OUT-DATE:</label>
    <INPUT type="date" id="date" name="date" value="date" required>
</DIV>
<BR>
<DIV>
    ROOM TYPE:
    <select size="1">
        <OPTION value="SELECT">SELECT</OPTION>
        <OPTION value="SINGLE ROOM">SINGLE ROOM</OPTION>
        <OPTION value="DOUBLE ROOM">DOUBLE ROOM</OPTION>
        <option value="TRIPLE ROOM">TRIPLE ROOM</option>
        <OPTION value="AIRBNB">AIRBNB</OPTION>
    </select>
</DIV>
<BR>
<CENTER> <label for="comment">SPECIAL REQUESTS:</label></CENTER>
<textarea name="comment" rows="5" cols="50" id="comment" placeholder="WRITE DOWN HERE" required></textarea>

<div>
    <br>
```

```

</form>

<BR> <BR>

<CENTER> <input type="button" value="BOOK NOW">
<input type="reset" value="RESET"></CENTER>
<H3><P>&COPY;ADITYA AMAN JHA: ABES ENGINEERING COLLEGE: CSE12</P></H3>
</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with the title 'FORMS'. The URL in the address bar is '127.0.0.1:3000/c/Users/ADITYA%20AMAN%20JHA/OneDrive/Desktop/cse12/day5/INDEX1.HTML'. The page content is a 'HOTEL BOOKING FORM' with the following fields:

- FULLNAME:
- E-MAIL:
- PHONE:
- CHECK-IN-DATE: dd-mm-yyyy
- CHECK-OUT-DATE: dd-mm-yyyy
- ROOM TYPE:
- WRITE DOWN HERE:
- SPECIAL REQUESTS:
- BOOK NOW / RESET buttons

At the bottom of the form, it says '©ADITYA AMAN JHA: ABES ENGINEERING COLLEGE: CSE12'. The browser's status bar at the bottom shows the date '29-10-2025' and time '16:53'.

OUTCOME:

- Successfully created a hotel room booking form webpage using HTML.
- Implemented input fields, labels, select, textarea, and buttons.
- Learned practical form design techniques for web applications.

EXPERIMENT-5

AIM: Create a Web Page for Student Registration Form with Email Validation by applying form attributes (method, action, placeholder, required).

OBJECTIVE:

1. To design a student registration form using HTML.
2. To apply form attributes:
 - method → Defines how data is sent.
 - action → Defines where data is sent.
 - placeholder → Displays hint text.
 - required → Ensures mandatory fields are filled.
3. To implement basic email validation using the type="email" attribute.

TOOLS:

- Text Editor (VS Code, Sublime Text, Notepad++)
- Web Browser (Chrome, Edge, Firefox)

CODE IMPLEMENTATION:

Index.html

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="This is all about forms and inputs!">
    <title>FORM</title>
</head>

<body bgcolor="skyblue" text="navy">
    <CENTER><H1>STUDENT REGISTRATION FORM</H1></CENTER>
    <form input="post">
        <label for="date">DATE:</label>
        <INPUT type="date" id="date" name="date" value="date">
        <br> <br>
        <label for="username">ENTER YOUR USERNAME:</label>
        <input type="text" pattern="[A-Z]" id="username" name="username" placeholder="Enter Your Username" autofocus >
        <BR>
        <DIV><br>GENDER:</DIV>
```

```
<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>
<input type="radio" id="OTHER" name="gender" value="OTHER">
<label for="OTHER">OTHER</label>
<DIV>
    <label for="email">E-MAIL:</label>
    <input type="email" id="email" name="email" placeholder="E-MAIL"
</DIV>
<BR><BR>
<DIV>
    <label for="telephone">TELEPHONE:</label>
    <input type="telephone" id="telephone" name="telephone" placeholder="PHONE NUMBER">
</DIV>
<DIV>
<BR>
<input type="checkbox" id="1OTH PASS" name="1OTH PASS" value="yes">
<label for="1OTH PASS"> 10th PASS</label>
</DIV>
<DIV>
<BR>
<input type="checkbox" id="12th Pass" name="12th Pass" value="yes">
<label for="12th Pass"> 12th PASS</label>
</DIV>
<DIV>
<BR>
    COURSE:
<select>
    <OPTION value="SELECT">SELECT</OPTION>
    <OPTION value="BTECH">BTECH</OPTION>
```

```
<OPTION value="MTECH">MTECH</OPTION>
<option value="MCA ">MCA</option>
<OPTION value="BBA">BBA</OPTION>
<OPTION value="OTHER">OTHER</OPTION>
</select>
</DIV>
<BR>
<label for="comment">ADDRESS:</label>
<BR>
<textarea name="comment" rows="5" cols="50" id="comment" placeholder="WRITE DOWN HERE"></textarea>
<br>
<DIV>
<br>
<label for="password">CREATE PASSWORD:</label>
<INPUT type="password" id="password" name="password" placeholder="PASSWORD" required>
</DIV>
<div>
<br>
<label for="reset"></label>
<input type="reset" id="reset" name="reset" placeholder="clear changes">
<input type="button" value="SUBMIT">
</div>
</form>
<strong><p>&copy; 2025. ADITYA AMAN JHA. ALL RIGHTS RESERVED</p> </strong>
</body>
</html>
```

OUTPUT:

The screenshot shows a "STUDENT REGISTRATION FORM" displayed in a web browser window. The form includes fields for DATE (dd-mm-yyyy), ENTER YOUR USERNAME (placeholder: Enter Your Username), GENDER (radio buttons for MALE, FEMALE, OTHER), E-MAIL (text input), TELEPHONE (text input), COURSE (radio buttons for 10th PASS, 12th PASS), ADDRESS (text area placeholder: WRITE DOWN HERE), CREATE PASSWORD (text input placeholder: PASSWORD), and two buttons: Reset and Submit. At the bottom, a copyright notice reads: © 2025. ADITYA AMAN JHA. ALL RIGHTS RESERVED.

OUTCOME:

- Successfully created a Student Registration Form using only HTML.
- Applied form attributes: method, action, placeholder, required.
- Implemented email validation using type="email".
- Learned to design a structured form without CSS.

