

## **WEB TECHNOLOGY LAB - FILE**

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ROLL NO: 21BIT226

DIV: 4 - H7

SUB: Web technology



**Department of Information and Communication Technology**

**School of Technology**

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**Submitted to**

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**Professor**

**ICT**

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# Experiment-1

**\*Aim:** Build web pages for your college with course details, departments, faculties, and the library. Use HTML href and list tags.

**\*Brief:** Here's the basic html program. Hyper Text words are used on the website for the interaction of the users, to capture the attention span towards the website particularly we use CSS for the design of the structure of the html to look elegant and much prettier.

## \*HTML Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="body.css">
  <title>Navigation Bar</title>
  <style>
    body{
      margin: 0;
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    }
    .navbar {
      overflow: hidden;
      background-color: #FFB6C1;
      box-shadow: 0px 2px 5px rgba(0, 0, 0, 0.1);
    }
    .navbar h1 {
      color: white;
      text-align: left;
      padding: 15px 20px;
      display: inline-block;
    }
    .navbar a {
      display: inline-block;
      color: white;
      text-align: center;
      padding: 20px 20px;
      text-decoration: none;
      transition: background-color 0.3s;
      width: 8.5%;
    }
    .navbar a:hover {
      background-color: #FF69B4;
    }
  </style>
</head>
<body>
  <div class="navbar">
    <h1>Navigation Bar</h1>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Contact</a>
  </div>
</body>
</html>
```

```

    }
    .block {
background: linear-gradient(to right, #FF69B4, #FFB6C1);
color: #14020b;
padding: 10px;
margin: 10px 0;
text-align: center;
border-radius: 2px;
box-shadow: 0px 2px 5px rgba(0, 0, 0, 0.1);
width: 100%;
transition: background 0.3s;
    }
    .block:hover {
background: rgba(255, 105, 180, 0.8);
    }
    nav {
background-color: #FFB6C1;
color: white;
padding: 10px;
text-align: justify;
    }
</style>
</head>
<body>
<div class="navbar">
    <h1>Pandit Deendayal Energy University</h1>
    <a href="#">Home</a>
    <a href="#">Courses</a>
    <a href="#">Departments</a>
    <a href="#">Faculties</a>
    <a href="#">Library</a>
</div>

<h1>PDEU</h1>
<ul>
    <li><a href="Courses.html">Courses</a></li>
    <li><a href="Departments.html">Departments</a></li>
    <li><a href="Faculties.html">Faculties</a></li>
    <li><a href="Library.html">Library</a></li>
</ul>

<h1>Courses</h1>
<ul>
    <li><a href="Course_1.html">Course_1</a></li>
    <li><a href="Courses_2.html">Course_2</a></li>
</ul>
<h1>Departments</h1>
<ul>
    <li><a href="Department_1.html">Department_1</a></li>
    <li><a href="Department_2.html">Department_2</a></li>
</ul>

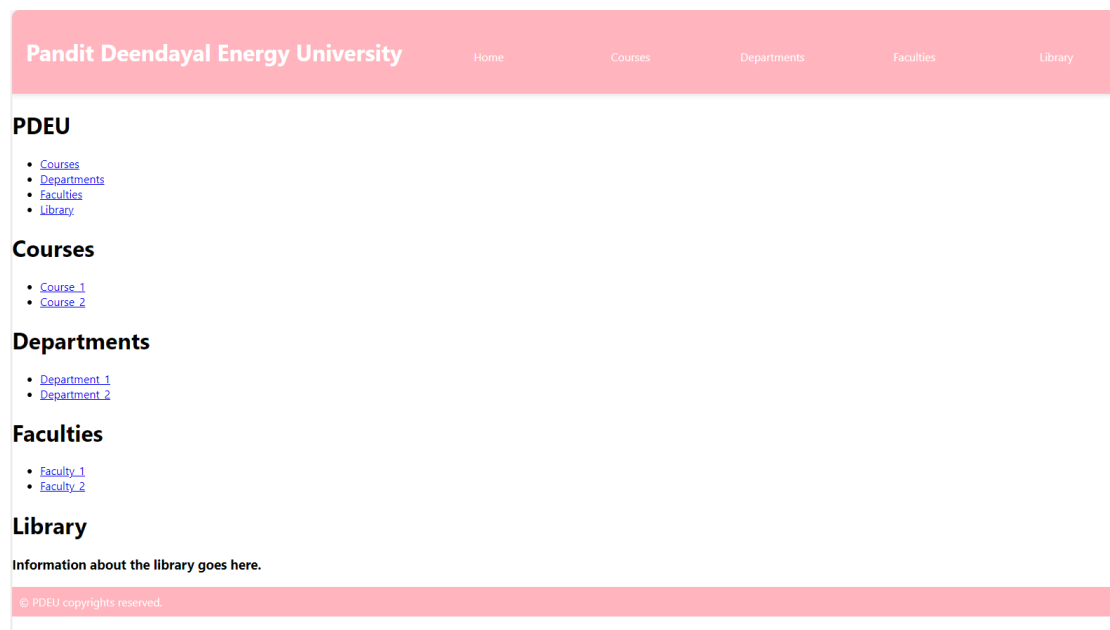
```

```

<h1>Faculties</h1>
<ul>
  <li><a href="Faculty_1.html">Faculty_1</a></li>
  <li><a href="Faculty_2.html">Faculty_2</a></li>
</ul>
<h1>Library</h1>
<h3>Information about the library goes here.</h3>
<nav>&copy; PDEU copyrights reserved.</nav>
</body>
</html>

```

## \*Output:



## CONCLUSION :

Leanned how to create the Colourful navbar with diffrent basic CSS styles and hyperlinks and efficient use of a href ' and other basic html tags .

Date	Sign
------	------

# Experiment-2

**\*Aim:** Develop a web page showing your class timetable using HTML tables.

**\*Brief: HTML Structure:**

- Initiates with the standard `<!DOCTYPE html>` declaration.
- The `<html>` tag specifies the language using the `lang="en"` attribute.
- The `<head>` section incorporates meta tags for character set and viewport settings, alongside the page title.
- The `<style>` tag within the `<head>` section includes CSS code for styling.

**CSS Styling:**

- Defines the overall body styling, encompassing font family and a light pink background colour.
- Styling for `th` and `td` elements involves border, padding, and text alignment.
- Applying specific styling for the time column (`th.time-col` and `td.time-col`) to set it apart from other columns.
- Differentiating breaks and lunch periods with distinct background colours and bold font weight.
- Incorporating a hover effect to highlight rows when hovered over.

**\*HTML Code:-**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>DIV-04 CLASS TIMETABLE</title>
  <style>
    body {
      font-family: 'Nunito', 'arial', sans-serif;
      background-color: #fddfed;
      margin: 0;
      padding: 0;
    }

    table {
      width: 100%;
      border-collapse: collapse;
      margin-top: 10px;
    }

    th, td {
```

```
border: 3px solid #000;
padding: 20px;
text-align: left;
font-size: 12px;
}

th, th.time-col, td.time-col {
  text-align: center;
  padding: 15px;
}

th {
  background-color: #bf4f83;
  font-weight: bold;
  color: white;
  border-radius: 8px 8px 0 0;
}

th.time-col, td.time-col {
  width: 15%;
}

td.time-col {
  background-color: #ffe28c;
}

.center {
  text-align: center;
}

.shortbreak, .lunchbreak {
  font-weight: bold;
  text-align: center;
}

.shortbreak {
  background-color: #ffd966;
}

.lunchbreak {
  background-color: #ffd966;
}

tr:hover {
```

```

        background-color: #f2c3da;
    }

    .heading-row th {
        border: 3px solid rgb(11, 5, 7);
        text-align: center;
        background-color: #bf4f83;
        color: white;
        border-radius: 8px 8px 0 0;
        font-size: 16px;
    }

    .days-row th {
        background-color: #bf4f83;
        font-weight: bold;
        text-align: center;
        color: rgb(255, 255, 255);
        border-radius: 0 0 8px 8px;
    }
</style>

</head>
<body>
    <table>
        <tr class="heading-row">
            <th colspan="10">CLASS TIMETABLE</th>
        </tr><tr>
            <th class="time-col"></th>
            <th class="time-col">Monday</th>
            <th class="time-col">Tuesday</th>
            <th class="time-col">Wednesday</th>
            <th class="time-col">Thursday</th>
            <th class="time-col">Friday</th>
        </tr><tr>
            <td class="time-col">9:00-10:00</td>
            <td>web_tech_lab</td>
            <td>AI lab</td>
            <td>webtech</td>
            <td>embedded</td>
            <td>webtech</td>
        </tr><tr>
            <td class="time-col">10:00-10:55</td>
            <td>webtech_lab</td>
            <td>AI lab</td>

```



```

        <td>embedded</td>
        <td>library</td>
        <td>AI systems</td>
    </tr><tr>
        <td class="time-col">10:55-11:10</td>
        <td colspan="5" class="shortbreak center">Short Break</td>
    </tr><tr>
        <td class="time-col">11:10-12:05</td>
        <td>communication lab</td>
        <td>ML lab</td>
        <td>ML</td>
        <td>ML</td>
        <td>CDC</td>
    </tr> <tr>
        <td class="time-col">12:10-1:05</td>
        <td>communication lab</td>
        <td>ML lab</td>
        <td>cnn</td>
        <td>cnn</td>
        <td>club activity</td>
    </tr> <tr>
        <td class="time-col">1:10-2:05</td>
        <td colspan="5" class="lunchbreak center">Lunch Break</td>
    </tr><tr> <td class="time-col">2:10-3:05</td>
        <td> cloud lab</td>
        <td>embedded</td>
        <td>cnn lab</td>
        <td>cnn</td>
        <td>webtch</td>
    </tr> <tr>
        <td class="time-col">3:10-4:05</td>
        <td>cloud lab</td>
        <td>AI systems</td>
        <td>cnn lab</td>
        <td>AI system</td>
        <td>-</td>
    </tr><tr>

        <td class="time-col">4:05-4:15</td>
        <td colspan="5" class="shortbreak center">Short Break</td>
    </tr><tr>

        <td class="time-col">4:15-5:10</td>
        <td>NPTEL</td>

```

```

<td>NPTEL</td>
<td>CDC</td>
<td>Embedded Lab</td>
<td>-</td>
</tr><tr>

    <td class="time-col">5:15-6:10</td>
    <td>NPTEL</td>
    <td>NPTEL</td>
    <td>cloud</td>
    <td>Embedded lab</td>
    <td>-</td>
</tr>
</table>

```

```
</body>
```

```
</html>
```

## \*Output:

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-10:00	web_tech lab	AI lab	webtech	embedded	webtech
10:00-10:55	webtech_lab	AI lab	embedded	library	AI systems
10:55-11:10	Short Break				
11:10-12:05	communication lab	ML lab	ML	ML	CDC
12:10-1:05	communication lab	ML lab	cnn	cnn	club activity
1:10-2:05	Lunch Break				
2:10-3:05	cloud lab	embedded	cnn lab	cnn	webtech
3:10-4:05	cloud lab	AI systems	cnn lab	AI system	-
4:05-4:15	Short Break				
4:15-5:10	NPTEL	NPTEL	CDC	Embedded Lab	-
5:15-6:10	NPTEL	NPTEL	cloud	Embedded lab	-

## CONCLUSION :

Experiment yields a well-structured HTML timetable with CSS styling for enhanced visual appeal. Incorporation of background colors, font styles, and hover effects ensures user-friendly organization. Overall, successful demonstration of HTML and CSS for an aesthetically pleasing class timetable webpage

# Experiment-3

## \*Aim:

**A) To create a user Student feedback form (use textbox, text area , checkbox, radio button, select box etc.)**

**B) To create a web page using frame. Divide the page into two parts with Navigation links on the left hand side of page (width=20%) and content page on right hand side of page (width = 80%). On clicking the navigation Links corresponding content must be shown on the right hand side. Content of the webpage should be your resume.**

## HTML Structure:

The HTML file is structured with the usual `<!DOCTYPE html>` declaration, specifying the language attribute as "en." The `<head>` section includes meta tags for character set and viewport settings, a link to an external CSS file (`body.css`), and sets the title of the page as "FEEDBACK FORM." The `<body>` contains a heading (`<h1>`) and a form with various input fields, radio buttons, checkboxes, and a dropdown menu.

## CSS:

The CSS styles aim to create an aesthetically pleasing and readable feedback form. The overall body styling sets the margin, font family, text colour, and background colour. The heading (`<h1>`) is styled with specific colours, font size, and background colour. Labels, form, and input elements within the form have distinct styling, including colours, padding, border-radius, and box-shadow to enhance the visual presentation.

## HTML and CSS Code PART (A):

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>FEEDBACK FORM</title>
  <style>
    body {
      margin: 0;
      font-family: Segoe UI, Tahoma, Geneva, Verdana, sans-serif;
      color: rgb(51, 16, 71);
      background-color: #ddb4d2;
```

```

    }
    h1 {
        color : #ddb4d2;
        font-size: 45px;
        background-color : rgb(181, 74, 129);
    }
    label {
        color : #55023f;
        display: block;
        margin-bottom: 8px;
    }
    form {
        color:#55023f;
        background-color :  rgb(254, 208, 216) ;
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

</style>
</head>
<body>
    <h1>FEEDBACK FORM</h1>
    <form>
        First name: <input type="text" name="firstname"
placeholder="Enter the name here"><br>
        2nd name : <input type="text" name="secondname"
placeholder="Enter surname here"><br>
        <h3>Select your gender:</h3>
        <input type="radio" name="gender" value="female"> Female<br>
        <input type="radio" name="gender" value="male"> Male<br><br>

        Email: <input type="email" name="EMAIL" placeholder="like
xyz@gmail.com"><br><br>
        Comments:<br>
        <textarea rows="7" cols="50"
name="comments"></textarea><br><br>

        City:
        <select name="city">
            <option value="Delhi">DELHI</option>
            <option value="indore">INDORE</option>
            <option value="gandhinagar">GANDHINAGAR</option>
            <option value="ahmedabad">AHMEDABAD</option>
        </select><br><br>

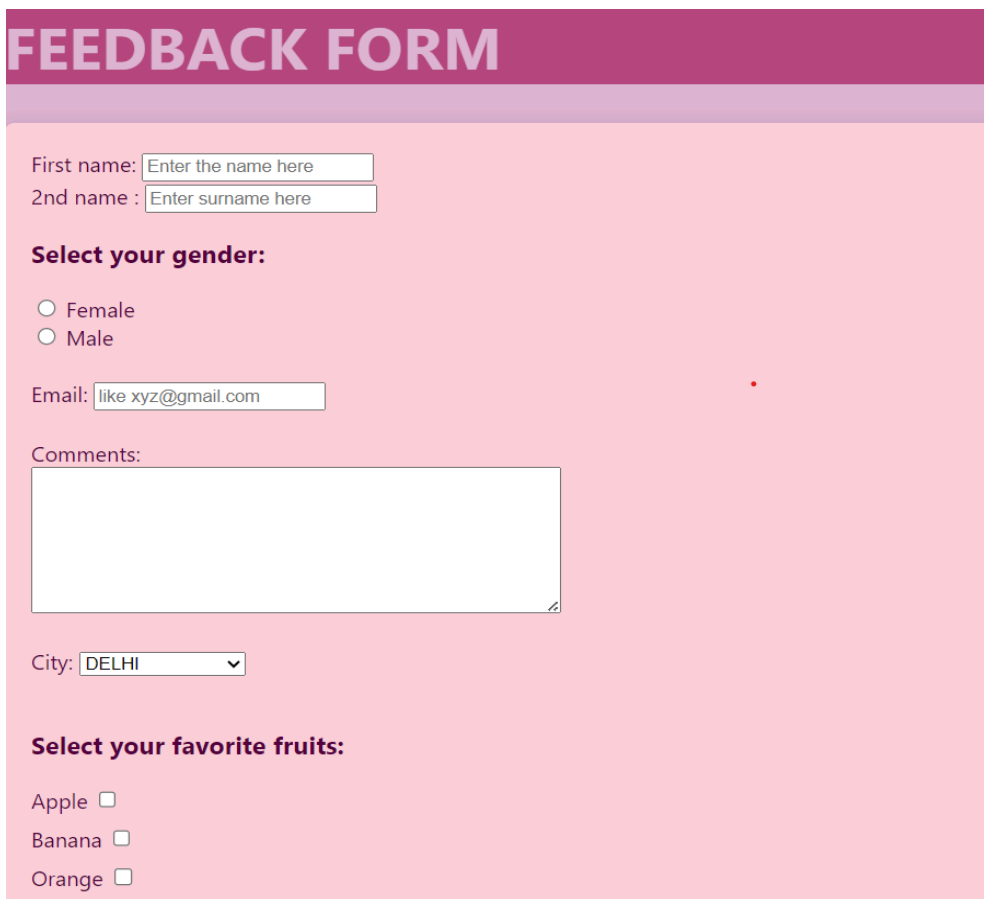
```

```
<h3>Select your favorite fruits:</h3>
<label for="apple">Apple
  <span class="checkmark"></span>
  <input type="checkbox" id="apple" name="fruits">
</label>

<label for="banana">Banana
  <input type="checkbox" id="banana" name="fruits">
  <span class="checkmark"></span>
</label>

<label for="orange">Orange
  <input type="checkbox" id="orange" name="fruits">
  <span class="checkmark"></span>
</label>
</form></body></html>
```

## \*Output:



The screenshot shows a web form titled "FEEDBACK FORM" with a pink background. The form contains the following elements:

- First name:** A text input field with the placeholder "Enter the name here".
- 2nd name :** A text input field with the placeholder "Enter surname here".
- Select your gender:** Two radio buttons labeled "Female" and "Male".
- Email:** A text input field with the placeholder "like xyz@gmail.com".
- Comments:** A large text area for comments.
- City:** A dropdown menu currently showing "DELHI".
- Select your favorite fruits:** Three checkboxes labeled "Apple", "Banana", and "Orange".

## Navigation.html:

This file contains the navigation links for your webpage. The left-hand side of the page (width=20%) is dedicated to these navigation links.

**Aboutme.html**

This is a hyperlink in the navigation.html file.

Clicking on this link should display information about you on the right-hand side (width=80%).

**main.html:**

This file is linked to from the navigation.html file.

The right-hand side of the page is reserved for the content, and this is where your detailed resume will be displayed..

**main\_lab(B).html:**

This is the main file that connects all the frames together.

It includes the frame definitions, specifying the layout with 20% width for navigation.html and 80% width for main.html.

## HTML and CSS Code PART (B):

**MAIN.HTML**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>main</title>
</head>
<frameset cols = "20%,80%">
  <!-- frame 1 : navigation links-->
  <frame src="navigation.html" name = "navframe" scrolling = "auto"
noresize>
  <!-- frame 2 : content page -->
  <frame src="main.html" name = "contentframe" scrolling = "auto" noresize>
<style>
</style>

</html>
```

**NAVIGATION.HTML**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>navigation</title>
</head>
<style>
  body{
    color: purple;
  }
</style>
<body>
  <h1> this is navigation </h1>
  <a href="aboutme.html" target = "contentframe">aboutme</a>
</body>
</html>
```

#### ABOUTME.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Princy Patel - Resume</title>
  <style>
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana,
sans-serif;
      background-color: #f8f8f8;
      color: #333;
      margin: 5px;
    }

    .bottom-line {
      border-bottom: 1px solid black;
      padding-bottom: 5px;}
    header {
      background-color: #9e8db9;
      color: #fff;
      padding: 20px;
      text-align: left;
```

```
    }

    h1 {
        margin: 0;
        padding: 10px;
        font-size: 28px;
    }

    h2 {
        color: #fffeff;
        margin-bottom: 8px;
        background-color: #9e8db9;
    }
    p {
        margin-bottom: 10px;
    }
    ul {
        list-style-type: lower-latin;
        padding: 0;
    }

    ul li::before {
        content: "\2022";
        color: #6a0572;
        font-weight: bold;
        display: inline-block;
        width: 1em;
        margin-left: -1em;
    }

</style>
</head>
<body>
    <header>
        <h1>Princy Patel</h1>
        <p>Web Developer</p>

    </header>
    <hr>
    <section>
        <hr>
        <h2>Contact Information</h2>
        <p>Email: princypatel3009@gmail.com</p>
        <p>Contact No: +91 9978928917</p>
```



```

    <p>LinkedIn: <a
href="https://www.linkedin.com/in/princy-patel-90a83a244/"
target="contentframe">linkedin.com/in/princy-patel-90a83a244/</a></p>
    <p>GitHub: <a href="https://github.com/PrincyPatel30"
target="_blank">github.com/PrincyPatel30</a></p>
    </section>
    <hr>
    <section>
        <h2>Education</h2>
        <p><strong>Degree :BTECH ,Pandit Deendayal Energy
University,</strong></p>
        <p>Branch : information and communication Technology</p>
        <p> Graduation Year: 2025</p>
    </section>
<hr>
    <section>
        <h2>Skills</h2>
        <ul>
            <li>HTML5, CSS3</li>
            <li>JavaScript, SQL, C++ , C</li>
            <li>transformer models</li>
            <li>java</li>
        </ul>
    </section>
    <hr>
    <section>
        <h2>Experience</h2>
        <p><strong>web developer , Data analyst , Business
Analyst</strong></p>
        <p>IIC, 30/10/2023 - till</p>
        <ul>
            <li>Developed and maintained websites using HTML, CSS, and
JavaScript.</li>
            <li>Collaborated with cross-functional teams to achieve
project goals.</li>
        </ul>
    </section>
    <hr>
    <section>
        <h2>Projects</h2>
        <p><strong>Portfolio Website</strong></p>
        <p>Developed a PLANTIFY website showcasing meidcinal plants
with integrated backend.</p>
        <p>Developed a personal portfolio website showcasing various
projects and skills.</p>
    </section>

```

```
<hr>

<section>
  <h2>Hobbies</h2>
  <p><strong>my stengths</strong></p>

  <p>I am a very good listener , I believe one's personality
should be moulded according to the work enovironemt.</p>
  <p>I play badminton , basketball and playing keyboard</p>
  <p>clicking and capturing the mesmerising views of nature.

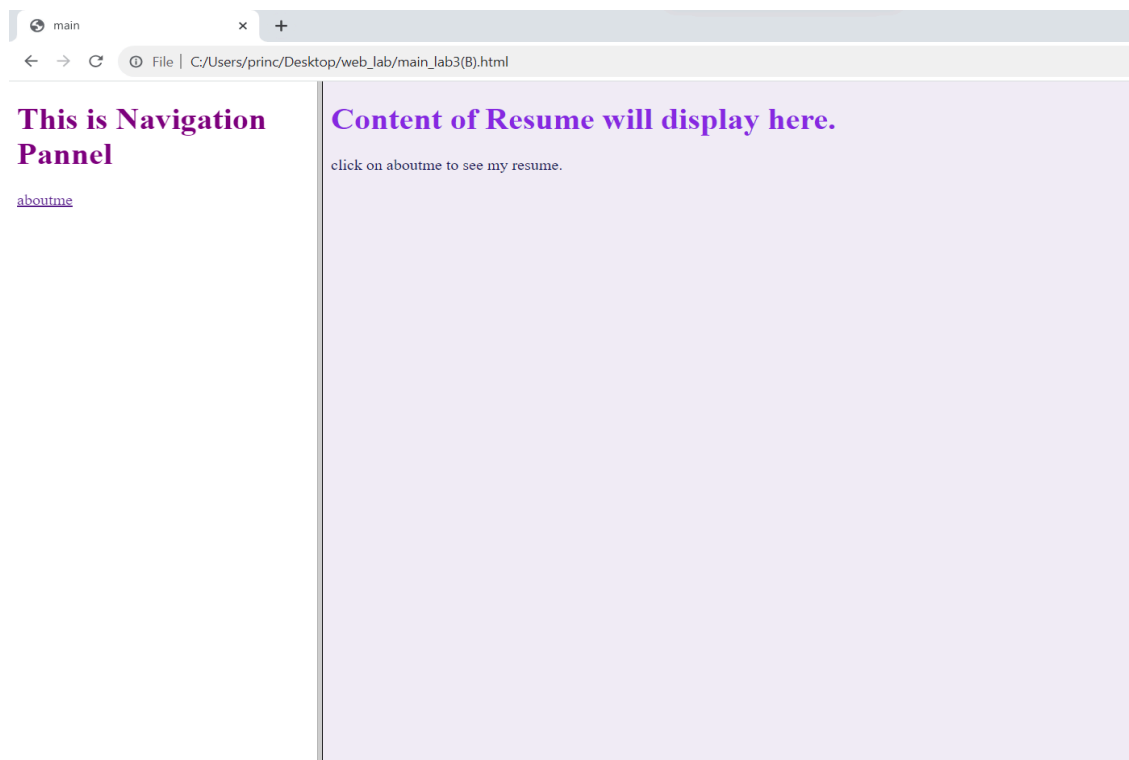
</p>

</section>

</body>

</html>
```

## \*Output:



After clicking on about me , the resume is displayed successfully.

**This is Navigation Pannel**  
[aboutme](#)

## Princy Patel

Web Developer

---

### Contact Information

Email: [princypatel3009@gmail.com](mailto:princypatel3009@gmail.com)  
Contact No: +91 9978928917  
LinkedIn: [linkedin.com/in/princy-patel-90a83a244/](https://www.linkedin.com/in/princy-patel-90a83a244/)  
GitHub: [github.com/PrincyPatel30](https://github.com/PrincyPatel30)

---

### Education

**Degree :BTECH ,Pandit Deendayal Energy University,**  
Branch : information and communication Technology  
Graduation Year: 2025

---

### Skills

HTML5, CSS3  
JavaScript, SQL, C++ , C  
transformer models  
java

## CONCLUSION :

I learned to craft a user-friendly webpage using frames. The design efficiently splits the page into a 20% width navigation section on the left, with clickable links leading to an 80% width content display on the right. This structure ensures a seamless experience, allowing visitors to explore my resume sections effortlessly.