

ASSIGNMENT 1A

Name – Aayush Purohit

Reg No. – 23BCE0378

Activity -1 :

Code :

```
<!DOCTYPE html>
<html>

<head>
  <title>About Me</title>

</head>

<body style = "background-color: cyan;">

  <h1><font size = 24><font color = blue><div align="center">Aayush
Purohit</div></font color></font size></h1>
  <font size = 14><font color = red><div align="center"><i>!! Adventure Lover
!!</i></div></font color>
    <div>
      
    <p>
```

Hi, my name is Aayush Purohit. I am excited to tell you about a place so close to my heart.

As I love adventure in my life, I jumped into almost every dangerous stuff as a kid.

Like, I used to run around everywhere, jump from higher places, hitting my fellow mates after watching action movies when I was a kid, swimming in lakes, planning a sneak-out at midnight with cousins from our home, etc.

</p>

<p>

So, let me take you to a place that I love the most in my world.

It's my grandma's home in Udaipur, Rajasthan.

Udaipur is known as the <em class="highlight">City of Lakes in India.

It's a beautiful city. The Lakes, Mountains, Forests, Wildlife, and not to miss... The Weather, are amazing in Udaipur.

There is a lot to talk about the fun I have in Udaipur: trekking in mountains, swimming in lakes, making night-time Maggi with my cousins, watching horror movies at midnight, going cycling in the woods, long drives, and the list goes on...

</p>

<p>

Udaipur is not just a city, it's a place that taught me so many things.

Learning values, building confidence, making new friends, leadership skills, being happy... almost every necessary skill.

So, this is about my world.

In my childhood, until I was in high school, once every year, my brother and I used to visit Udaipur during summer vacations. That time was great. I used to wait the whole year for this time.

Even now, when I am in college, I wait for the summer near June and July to visit Udaipur again and spend time there.

So, this was something I am very happy about.

</p>

</div>

<div>

<p style="text-align: center; font-style: italic; font-family: 'Georgia', serif; color: #2c3e50;">

Signing off...

Aayush

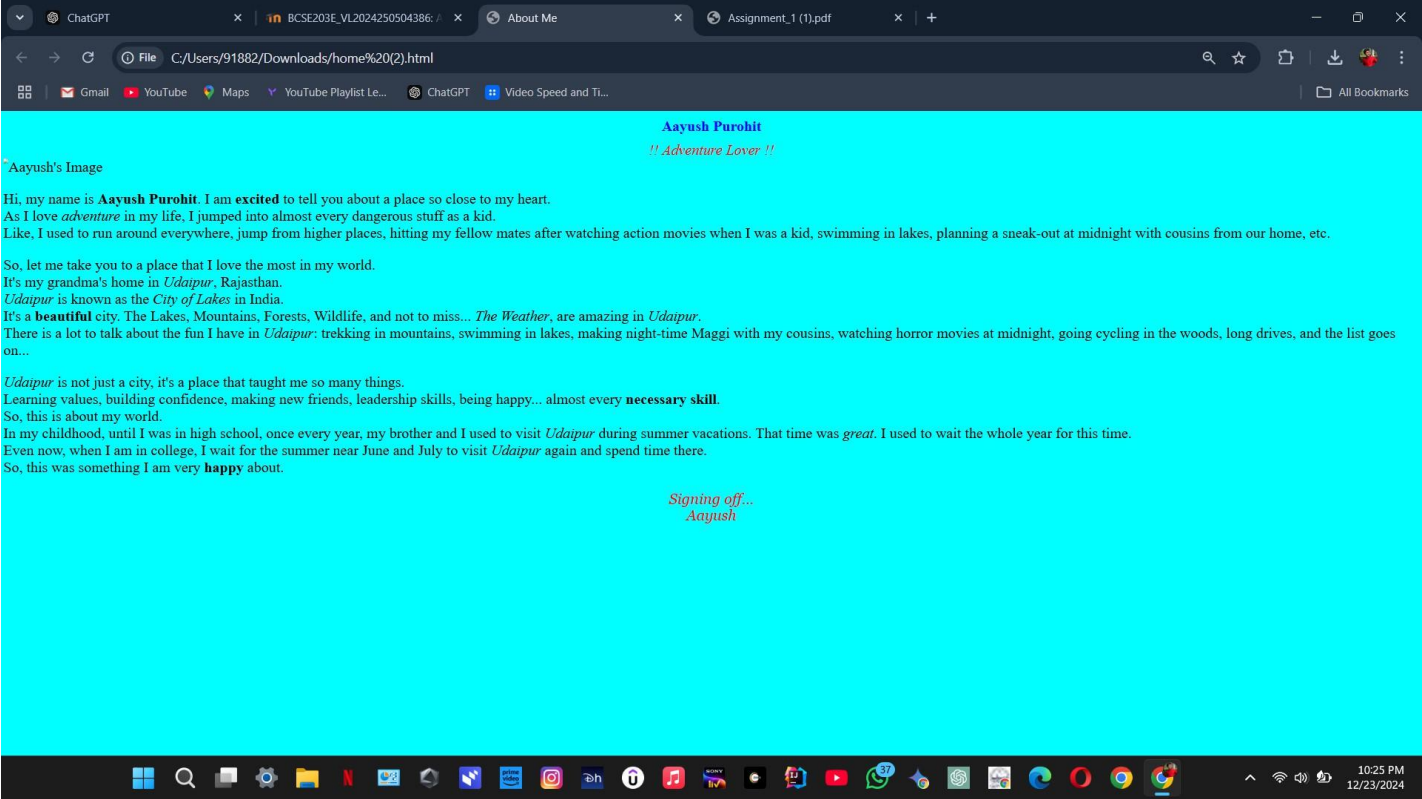
</p>

</div>

</body>

</html>

Webpage Output:



Activity 2 :

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Activity 2: List</title>
</head>
<body>
  <h1>Activity 2: List</h1>

  <!-- Section 1: List of courses -->
  <h2>List of Courses in Winter 2024-2025</h2>
  <ol>
    <li>Design and Analysis of Algorithm (DAA) - 7/10</li>
    <li>Theory of Computation (TOC) - 6/10</li>
    <li>Microprocessor and Microcontroller (MPMC) - 8/10</li>
    <li>Web Programming - 8/10</li>
    <li>French - 9/10</li>
    <li>Computer Architecture and Organisation - 6/10</li>
    <li>Quantitative Skills 2 - 7/10</li>
  </ol>

  <!-- Section 2: Programming languages and ratings -->
  <h2>Programming Languages and Ratings</h2>
  <ul>
    <li>Python: 9/10</li>
    <li>JavaScript: 8/10</li>
    <li>C++: 7/10</li>
  </ul>

  <!-- Section 3: Reviews/Book Summaries -->
  <h2>Reviews/Book Summaries</h2>
  <ul>
    <li><strong>Movie:</strong> The Shawshank Redemption - A powerful story about
hope and friendship. 10/10</li>
```

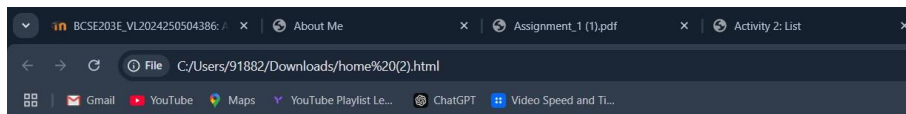
Book: The Alchemist - A tale of self-discovery and following one's dreams. 9/10

TV Show: Breaking Bad - A gripping drama about transformation and morality. 10/10

</body>

</html>

Webpage Output :



Activity 2: List

List of Courses in Winter 2024-2025

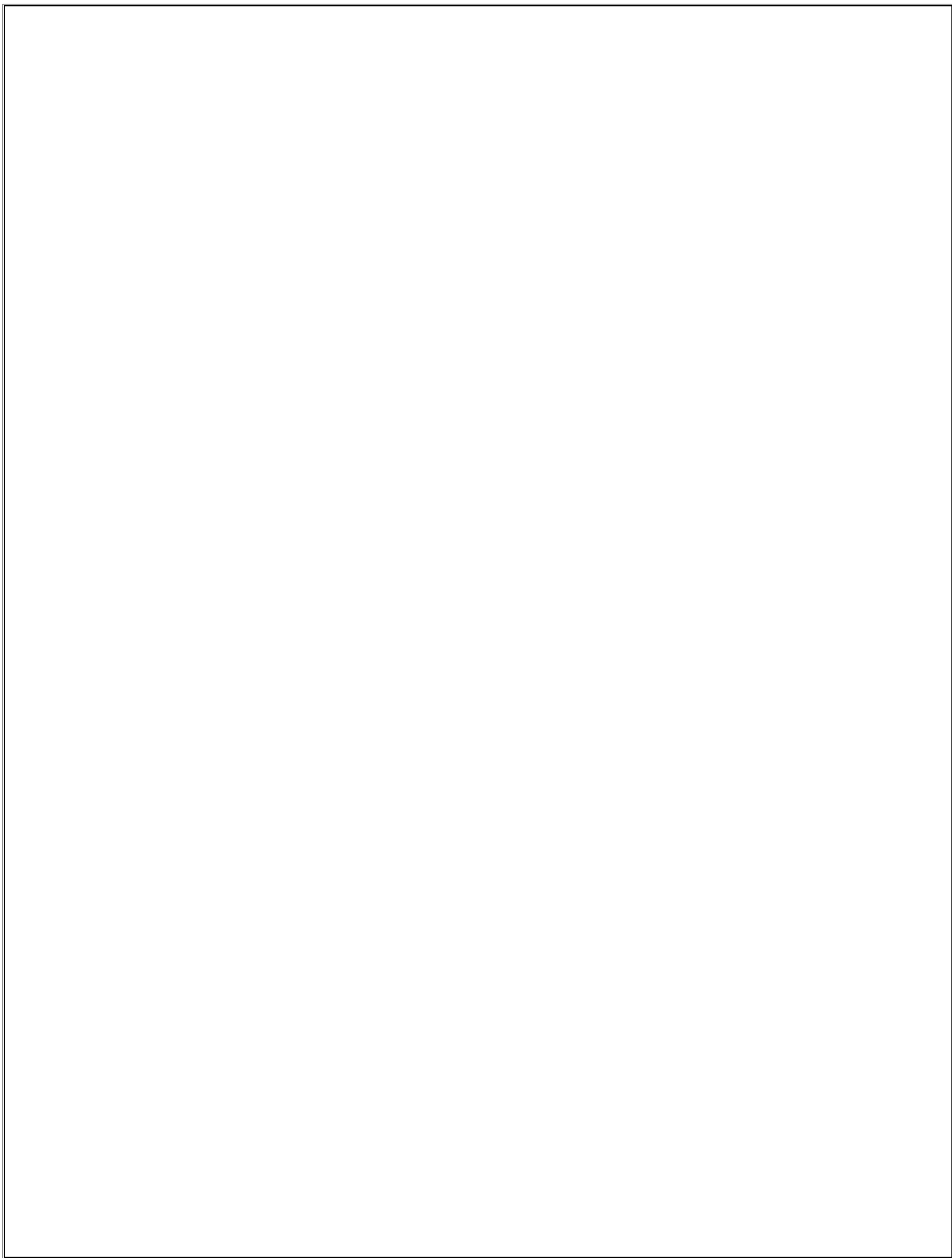
1. Design and Analysis of Algorithm (DAA) - 7/10
2. Theory of Computation (TOC) - 6/10
3. Microprocessor and Microcontroller (MPMC) - 8/10
4. Web Programming - 8/10
5. French - 9/10
6. Computer Architecture and Organisation - 6/10
7. Quantitative Skills 2 - 7/10

Programming Languages and Ratings

- Python: 9/10
- JavaScript: 8/10
- C++: 7/10

Reviews/Book Summaries

- **Movie:** The Shawshank Redemption - A powerful story about hope and friendship. 10/10
- **Book:** The Alchemist - A tale of self-discovery and following one's dreams. 9/10
- **TV Show:** Breaking Bad - A gripping drama about transformation and morality. 10/10



Activity 3 :

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table Layout</title>
</head>
<body>
  <table border="2" cellpadding="15" cellspacing="0" style="width: 800px; height:
600px; margin: 20px auto; text-align: center;">
    <tbody>
      <tr>
        <td rowspan="2">
          
        </td>
        <td style="background-color: #87CEEB;">r1c2</td>
        <td colspan="2" style="background-color: #87CEEB;">r1c3</td>
        <td style="color: #FF8C00; font-size: 20px; font-weight: bold; font-family: Arial,
sans-serif;">Stay Positive!</td>
        <td rowspan="5">r1c6</td>
      </tr>
      <tr>
        <td>r2c2</td>
        <td colspan="2" style="color: #008000; font-size: 20px; font-weight: bold; font-
family: Arial, sans-serif;">
          <a href="mailto:your.email@example.com" style="text-decoration:
none;">Email Me</a>
        </td>
        <td style="color: #FF8C00; font-size: 20px; font-weight: bold; font-family: Arial,
sans-serif;">Believe in Yourself!</td>
      </tr>
      <tr>
        <td style="color: #0000FF; font-size: 20px; font-weight: bold; font-family: Arial,
sans-serif;">
```

```

        <a href="home.html" style="text-decoration: none;">Go to Home</a>
    </td>
    <td>r3c2</td>
    <td>r3c3</td>
    <td>r3c4</td>
    <td>
        
    </td>
</tr>
<tr>
    <td style="background-color: #87CEEB;">r4c1</td>
    <td style="background-color: #87CEEB;">r4c2</td>
    <td colspan="2" style="color: #FF8C00; font-size: 20px; font-weight: bold; font-
family: Arial, sans-serif;">You Can Achieve Anything!</td>
    <td>r4c6</td>
</tr>
<tr>
    <td>r5c1</td>
    <td>r5c2</td>
    <td style="color: #FF8C00; font-size: 20px; font-weight: bold; font-family: Arial,
sans-serif;">Keep Learning!</td>
    <td>r5c4</td>
    <td style="color: #FF8C00; font-size: 20px; font-weight: bold; font-family: Arial,
sans-serif;">Be Grateful!</td>
</tr>
<tr>
    <td colspan="5" style="color: #FF8C00; font-size: 20px; font-weight: bold; font-
family: Arial, sans-serif;">Embrace Challenges!</td>
    <td>r5c6</td>
</tr>
</tbody>
</table>
</body>
</html>



```



Webpage Output :

BCSE203E_VL2024250504386 / xTable Layout x+

File C:/Users/91882/Desktop/images/activity_3.html

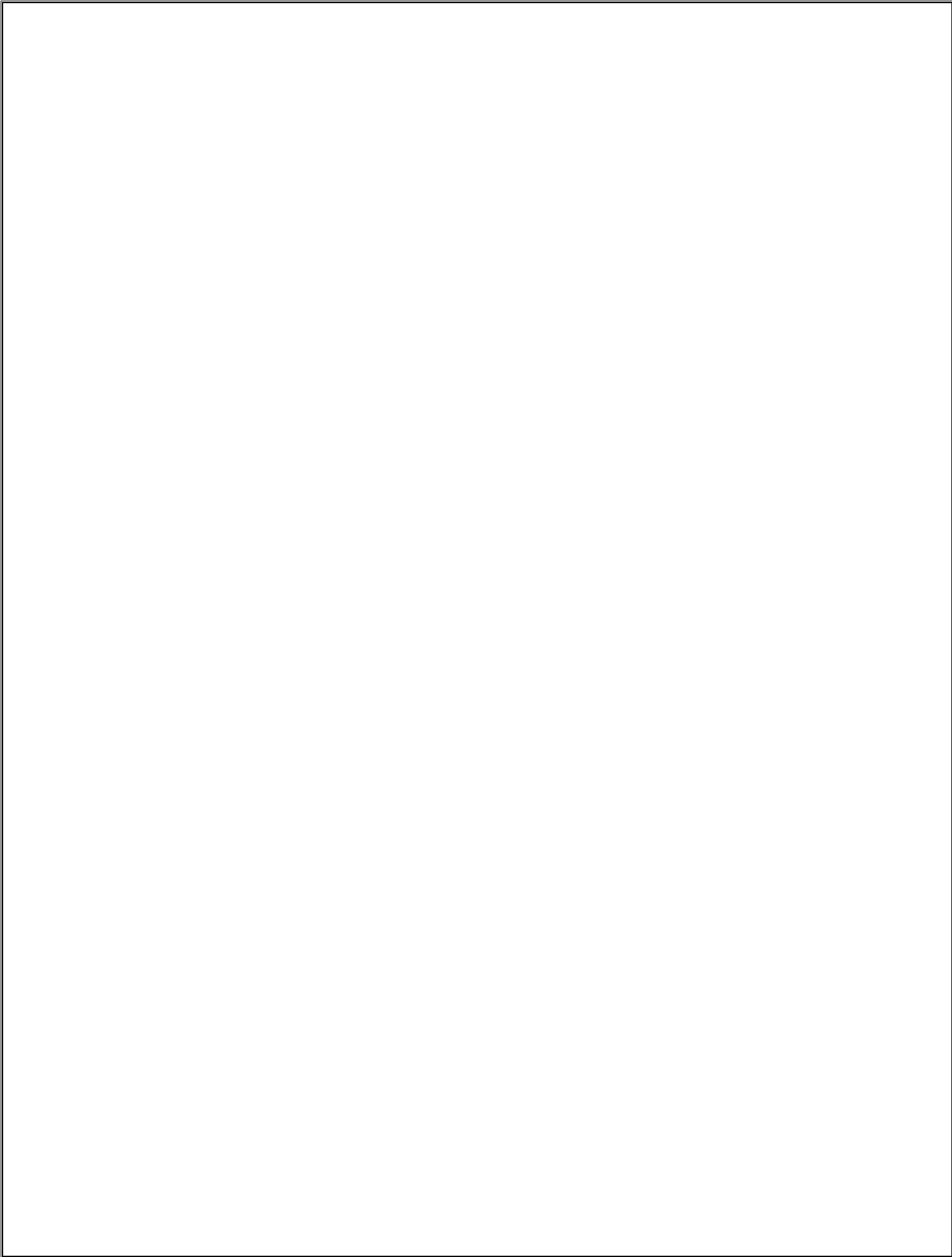
Gmail YouTube Maps YouTube Playlist Le... ChatGPT Video Speed and TL... All Bookmarks

	r1c2	r1c3		Stay Positive!	r1c6
	r2c2	Email Me		Believe in Yourself!	
Go to Home	r3c2	r3c3	r3c4		
r4c1	r4c2	You Can Achieve Anything!		r4c6	
r5c1	r5c2	Keep Learning!	r5c4	Be Grateful!	
Embrace Challenges!					r5c6



10:52 PM 1/20/2025

	r1c2	r1c3		Stay Positive!	r1c6
	r2c2	Email Me		Believe in Yourself!	
Go to Home	r3c2	r3c3	r3c4		
r4c1	r4c2	You Can Achieve Anything!		r4c6	
r5c1	r5c2	Keep Learning!	r5c4	Be Grateful!	
Embrace Challenges!					r5c6



ASSIGNMENT 1B



Name – Aayush Purohit

Reg No. – 23BCE0378


ACTIVITY 4:

Trace the output for the following elements and infer the similarities and differences

1. Div and span


Screenshot code	Screenshot output
<p><Paste screenshot code></p>  <pre>1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <title>Div and Span Example</title> 6 </head> 7 <body> 8 <div style="background-color: lightblue;"> 9 This is a div container 10 This is a span inside div 11 </div> 12 </body> 13 </html></pre>	<p><Paste screenshot O/P></p>  <p>This is a div container This is a span inside div</p>
<p>Div – Block-level element that takes full width and creates new lines Span – Inline element that only takes necessary space and flows within text Inference - Divs are used for layout sections while spans are for inline text styling</p>	

2. Div and section

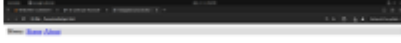
Screenshot code	Screenshot output
<p><Paste screenshot code></p>  <pre>1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <meta charset="UTF-8"> 5 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 6 <title>Div and Section Example</title> 7 </head> 8 <body> 9 <div style="background-color: lightblue; padding: 10px;"> 10 This is a div container 11 </div> 12 <section style="background-color: lightgreen; padding: 10px;"> 13 This is a section container 14 </section> 15 </body> 16 </html></pre>	<p><Paste screenshot O/P></p>  <p>This is a div container</p>

Div – Generic container with no semantic meaning
 Section – Semantic container that represents a thematic grouping of content
 Inference – Section should be used when content is thematically related, div for generic grouping

3. Paragraph and article

Screenshot code	Screenshot output
<p><Paste screenshot code></p> <pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 5 <title>Paragraph and Article Example</title> 6 </head> 7 <body> 8 9 <article> 10 <h2>Article Title</h2> 11 <p>This is a paragraph inside an article. 12 </p> 13 </article> 14 </body> 15 </html> </pre>	<p><Paste screenshot O/P></p> 
<p>Paragraph – Represents a block of text Article – Self-contained composition that can include multiple paragraphs Inference – Articles are used for complete content pieces while paragraphs are for text blocks</p>	

4. Navigation and anchor



Screenshot code	Screenshot output
<p><Paste screenshot code></p> <pre> 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 5 <title>Navigation and Anchor Example</title> 6 </head> 7 <body> 8 9 <nav> 10 Home 11 About 12 </nav> 13 </body> 14 </html> </pre>	<p><Paste screenshot O/P></p> 
<p>Navigation – Container element for major navigation blocks Anchor – Creates hyperlinks to other content Inference – Nav elements typically contain multiple anchor elements for site navigation</p>	

5. Figure and image

Screenshot code	Screenshot output
-----------------	-------------------

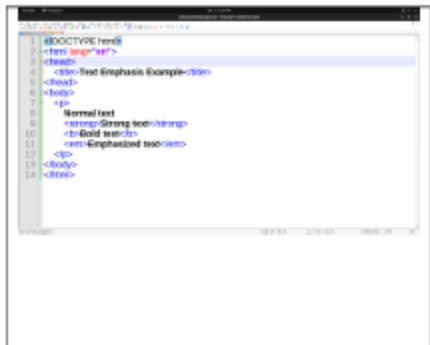

<Paste screenshot code>	<Paste screenshot O/P>
 <pre>1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 5 <!--Figure and image Example--> 6 </head> 7 <body> 8 9 10 <figcaption>This is an image caption</figcaption> 11 </body> 12 </html></pre>	 <p>Sample Image This is an image caption</p>
Figure– Container for illustrations, diagrams, photos, code listings Image– Represents a single image Inference - Figure adds context and can include captions to images	

6. Label and legends

Screenshot code	Screenshot output
 <pre>1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 5 <!--Label and Legends Example--> 6 </head> 7 <body> 8 9 <legend>Personal Info</legend> 10 <label for="name">Name</label> 11 <input type="text" id="name"/> 12 </body> 13 </html></pre>	 <p>Personal Info Name: <input type="text"/></p>
Label – Associates text with form inputs Legends– Provides caption for fieldset elements Inference - Both provide descriptive text but serve different structural purposes	

7. Strong vs bold vs emphasis tag

Screenshot code	Screenshot output
<Paste screenshot code>	<Paste screenshot O/P>

 <pre>1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <title>Test Emphasis Example</title> 5 </head> 6 <body> 7 <p> 8 Normal text 9 Strong text 10 Bold text 11 Emphasized text 12 </p> 13 </body> 14 </html></pre>	 <p>Normal text Strong text Bold text Emphasized text</p>
<p>Strong- Indicates strong importance (semantic) Emphasis- Visual styling only (presentational) Bold- Stressed emphasis (semantic) Inference - Strong and emphasis carry semantic meaning while bold is purely visual</p>	

Activity 5 :

https://drive.google.com/drive/folders/1pZ06CoyLjjUkI1_dRNFlv2oqguU-cuZ

ASSIGNMENT 1C

Name – Aayush Purohit

Reg No. – 23BCE0378

Activity 6:

Form 1:

Code:

```
<!DOCTYPE html>
<html>

<head>
  <title>Signup and Login</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f3f4f6; color:
      #333;
      margin: 0;
      padding: 0; display:
      flex;
      flex-direction: column; align-
      items: center;
    }
  </style>
</head>
<body>
```

```
h1 {  
  color: #4a90e2;  
}
```

```
.container { display: flex;  
  gap: 50px;  
  margin-top: 50px;  
}
```

```
.form-box {  
  background-color: #fff; padding:  
  20px;  
  border-radius: 8px;  
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1); width: 300px;  
}
```

```
.form-box h2 {  
  text-align: center; color:  
  #e94e77;  
}
```

```
.form-box label { display:  
  block; margin: 10px 0  
  5px; font-weight: bold;  
}
```

```
.form-box input[type="text"],  
.form-box input[type="email"],
```



```
.form-box input[type="password"],  
.form-box input[type="checkbox"],  
.form-box button { width:  
    100%; padding: 10px;  
    margin-bottom: 15px;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
}
```

```
.form-box button { background-color:  
    #4a90e2; color: #fff;  
    font-weight: bold; cursor:  
    pointer;  
}
```

```
.form-box button:hover { background-  
    color: #357ab8;  
}
```

```
</style>  
</head>
```

```
<body>  
  <h1>User Registration</h1>
```

```
  <div class="container">  
    <!-- Sign-up Form -->  
    <div class="form-box">  
      <h2>Sign Up</h2>  
      <form action="#">
```

```
<label for="username">Username</label>
<input type="text" id="username" name="username" placeholder="Enter your name"
required>
```

```
<label for="email">Email Address</label>
<input type="email" id="email" name="email" placeholder="Enter your
email" required>
```

```
<label for="password">Password</label>
<input type="password" id="password" name="password" placeholder="Enter your
password" required>
```

```
<label for="confirm-password">Confirm Password</label>
<input type="password" id="confirm-password" name="confirm-password"
placeholder="Re-enter your password"
required>
```

```
<label>
  <input type="checkbox" name="terms" required> I agree to the Terms &
Conditions
</label>
```

```
<button type="submit">Sign Up</button>
</form>
</div>
```

```
<!-- Login Form -->
<div class="form-box">
  <h2>Login</h2>
  <form action="#">
    <label for="email-login">Email</label>
```

```
<input type="email" id="email-login" name="email-login" placeholder="Enter your email" required>
```

```
<label for="password-login">Password</label>
```

```
<input type="password" id="password-login" name="password-  
login" placeholder="Enter your password"  
required>
```

```
<button type="submit">Sign In</button>
```

```
</form>
```

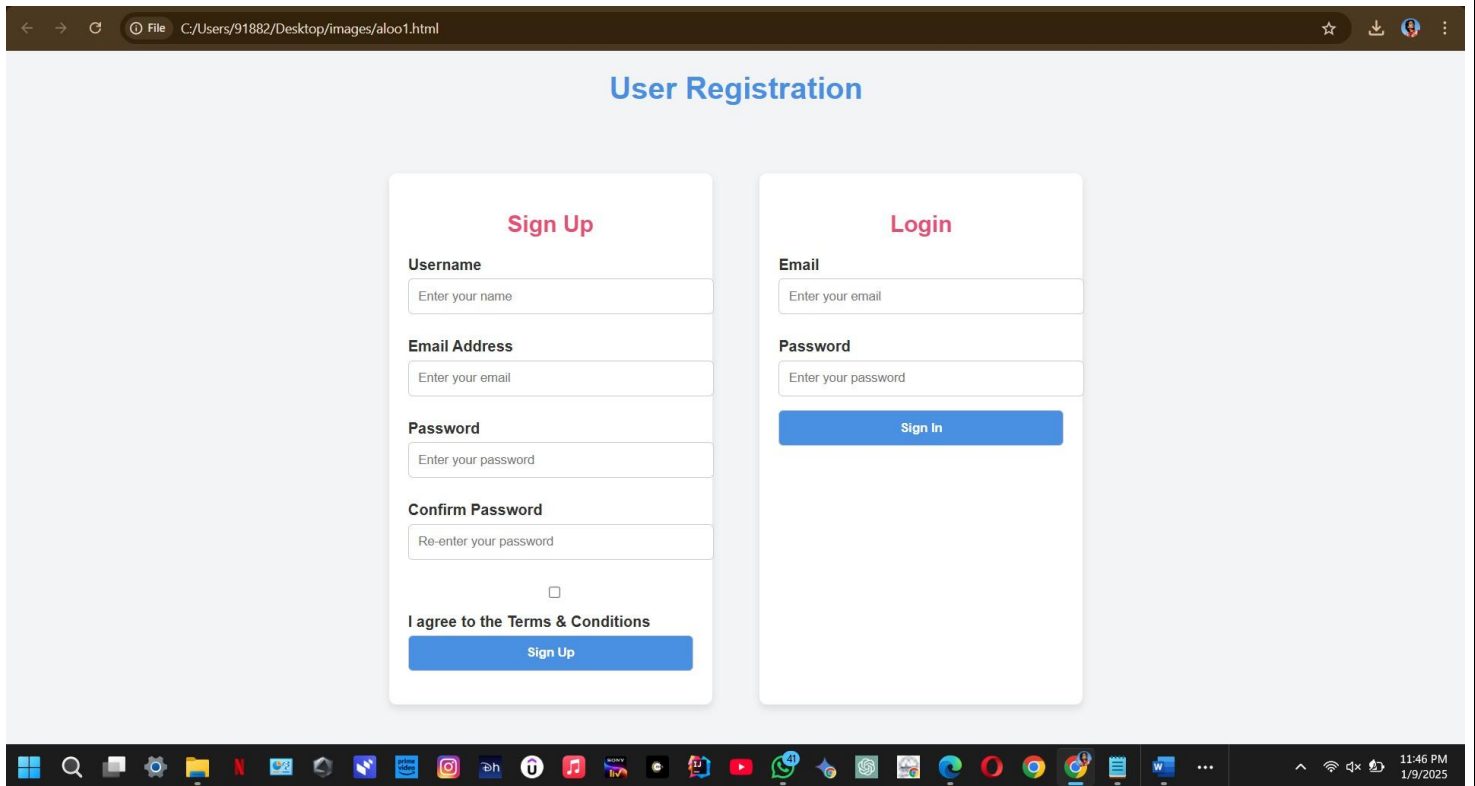
```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Output:



Form 2:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>HTML5 Elements Form</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
      background-color: #f9f9f9;
```

```
      color: #333;
```

```
      margin: 20px;
```

```
    }
```

```
  .form-container {
```

```
background-color: #fff;
padding: 20px;
border-radius: 8px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
width: 400px;
margin: 20px auto;
}
```

```
h2 {
  text-align: center;
  color: #4a90e2;
}
```

```
label {
  display: block;
  margin: 10px 0 5px;
  font-weight: bold;
}
```

```
input,
select,
textarea,
button {
  width: 100%;
  padding: 10px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 5px;
}
```

```
button {
```

```
background-color: #4a90e2;
color: #fff;
font-weight: bold;
cursor: pointer;
}

button:hover {
    background-color: #357ab8;
}
</style>
</head>

<body>
    <div class="form-container">
        <h2>Complete HTML5 Form</h2>
        <form action="#">
            <label for="textbox">Text Box</label>
            <input type="text" id="textbox" name="textbox"
placeholder="Enter your text">

            <label>Radio Buttons</label>
            <label><input type="radio" name="gender" value="male">
Male</label>
            <label><input type="radio" name="gender" value="female">
Female</label>

            <label>Check Boxes</label>
            <label><input type="checkbox" name="interest" value="sports">
Sports</label>
            <label><input type="checkbox" name="interest" value="music">
Music</label>
```

```
<label for="select">Selection Box</label>
<select id="select" name="select">
  <option value="option1">Option 1</option>
  <option value="option2">Option 2</option>
  <option value="option3">Option 3</option>
</select>
```

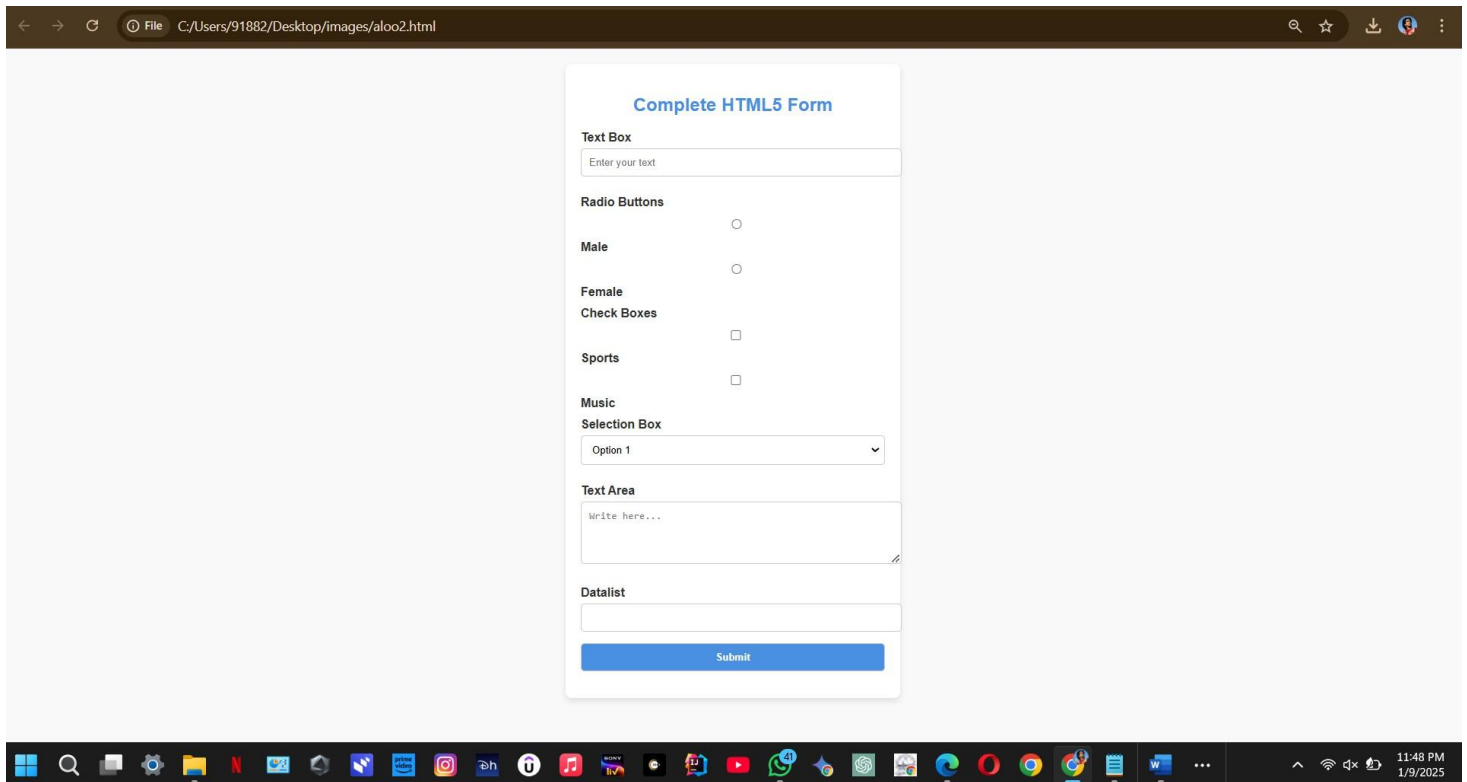
```
<label for="textarea">Text Area</label>
<textarea id="textarea" name="textarea" rows="4"
placeholder="Write here..."></textarea>
```

```
<label for="datalist">Datalist</label>
<input list="options" id="datalist" name="datalist">
<datalist id="options">
  <option value="Option 1">
  <option value="Option 2">
  <option value="Option 3">
</datalist>
```

```
<button type="submit">Submit</button>
</form>
</div>
</body>

</html>
```

Output:



Activity 7:

Code :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>About Me</title>
```

```
<style>
```

```
body {
```

```
font-family: Arial, sans-serif;
```

```
background-color: #f5f5f5;
```

```
color: #333;
```

```
margin: 20px;
```



```
}
```

```
h1 {  
  font-family: "Georgia", serif; color:  
  #4a90e2;  
  text-align: center;  
}
```

```
h2 {  
  font-family: "Times New Roman", serif;  
  font-style: italic;  
  color: #e94e77;  
  text-align: center;  
}
```

```
p {  
  text-align: justify;  
  line-height: 1.6;  
}
```

```
b {  
  color: #d35400;  
  font-weight: bold;  
}
```

```
em {  
  font-style: italic;  
  color: #16a085;  
}
```

```
.highlight {
```

```
font-weight: bold;
color: #c0392b;
}
```

```
img {
float: left;
margin-right: 15px;
border-radius: 10px;
width: 150px;
height: auto;
}
```

```
.custom-style {
font-weight: bold;
color: #2c3e50;
font-style: italic;
}
```

```
</style>
</head>
```

```
<body>
```

```
<h1>Aayush Purohit</h1>
<h2>Adventure Lover</h2>
```

```
<p>
```

```
 Hi,
my name is <b>Aayush Purohit</b>. I am
```

```
<strong>excited</strong> to tell you about a place so close to my heart.
<br>
```

```
As I love <em>adventure</em> in my life, I jumped into almost every
dangerous stuff as a kid. <br>
```

Like, I used to run around everywhere, jump from higher places, hit my fellow mates after watching action movies, swim in lakes, and plan a sneak-out at midnight with cousins.

</p>

<p>

So, let me take you to a place that I love the most in my world.
 It's my grandma's home in *Udaipur*, Rajasthan.
 Udaipur is known as the *City of Lakes* in India.

It's a **beautiful** city. The Lakes, Mountains, Forests, Wildlife, and not to miss... *The Weather*, are amazing in *Udaipur*.

There is a lot to talk about the fun I have in *Udaipur*: trekking in mountains, swimming in lakes, making night-time Maggi with my cousins, watching horror movies at midnight, going cycling in the woods, long drives, and the list goes on...

</p>

<p>

Udaipur is not just a city, it's a place that taught me so many things.

Learning values, building confidence, making new friends, leadership skills, being happy... almost every **necessary skill**.

So, this is about my world.

In my childhood, until I was in high school, once every year, my brother and I used to visit *Udaipur* during summer vacations. That time was *great*. I used to wait the whole year for this time.

Even now, when I am in college, I wait for the summer near June and July to visit *Udaipur* again and spend time there.

So, this was something I am very **happy** about.

<div>

<p style="text-align: center; font-style: italic; font-family: 'Georgia', serif; color: #2c3e50;">

Signing off...

Aayush

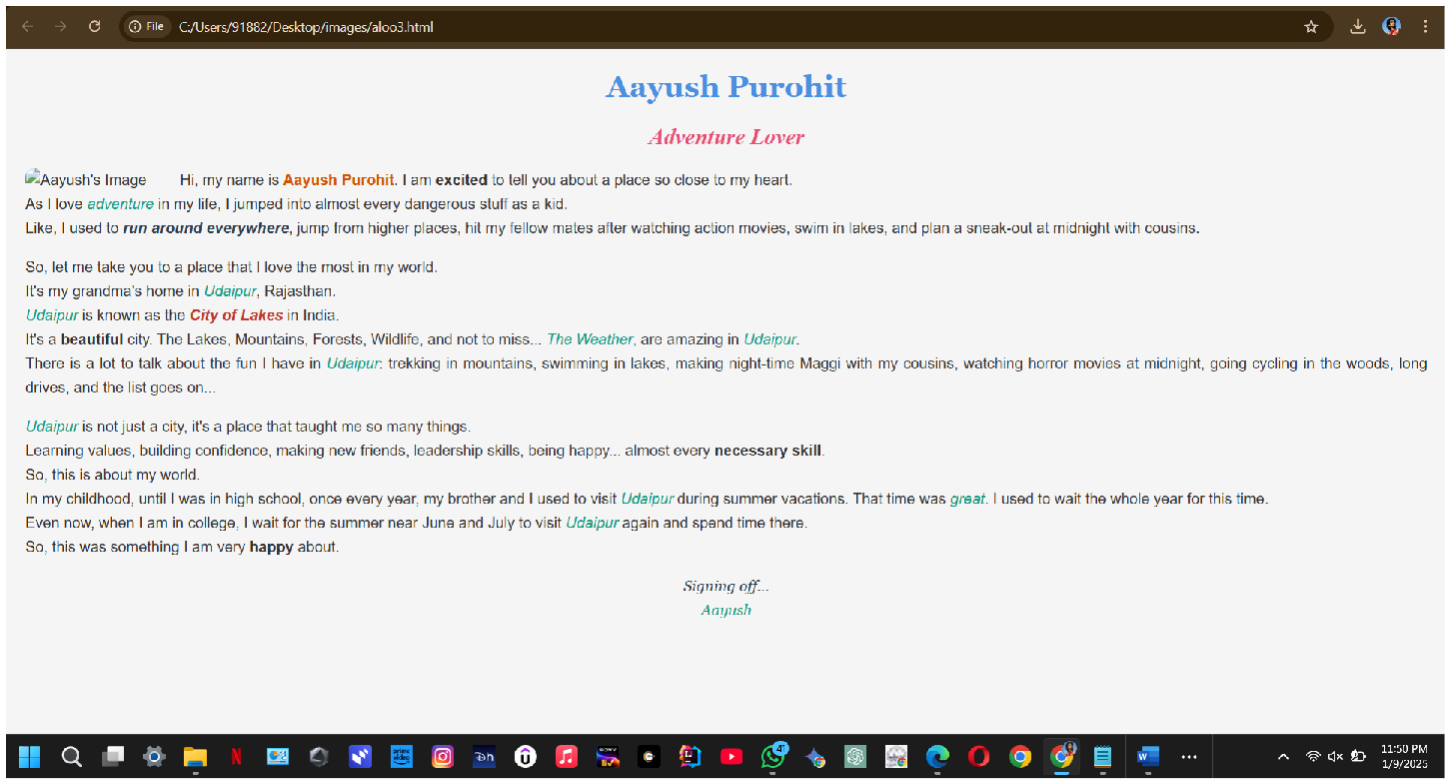
</p>

</div>

</body>

</html>

OUTPUT:



Activity 8:

Code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
  <title>Contact Form</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
background-color: #f4f7f6;
margin: 0;
padding: 20px;
}
```

```
header {
background-color: #4a90e2;
color: white;
padding: 10px;
text-align: center;
}
```

```
main {
max-width: 600px;
margin: 20px auto;
background: #fff;
padding: 20px;
border-radius: 8px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}
```

```
h1 {
color: #4a90e2;
text-align: center;
}
```

```
label {
font-weight: bold;
margin-top: 10px;
display: block;
}
```

```
input,  
textarea,  
button {  
    width: 100%; padding:  
    10px; margin: 10px 0;  
    border: 1px solid #ccc;  
    border-radius: 5px;  
}
```

```
button {  
    background-color: #4a90e2;  
    color: white;  
    font-weight: bold;  
    border: none;  
    cursor: pointer;  
}
```

```
button:hover {  
    background-color: #357ab8;  
}
```

```
footer {  
    text-align: center;  
    padding: 10px;  
    background-color: #4a90e2;  
    color: white;  
    position: fixed;  
    bottom: 0;  
    width: 100%;
```

```
    }
  </style>
</head>

<body>
  <header>
    <h1>Contact Us</h1>
  </header>

  <main>
    <form action="#" method="post">
      <section>
        <h1>Contact Form</h1>

        <!-- Full Name -->
        <label for="full-name">Full Name</label>
        <input type="text" id="full-name" name="full-name"
placeholder="Enter your full name" required>

        <!-- Email Address -->
        <label for="email">Email Address</label>
        <input type="email" id="email" name="email"
placeholder="Enter your email" required>

        <!-- Subject -->
        <label for="subject">Subject</label>
        <input type="text" id="subject" name="subject"
placeholder="Enter the subject" required>

        <!-- Message -->
        <label for="message">Message</label>
```



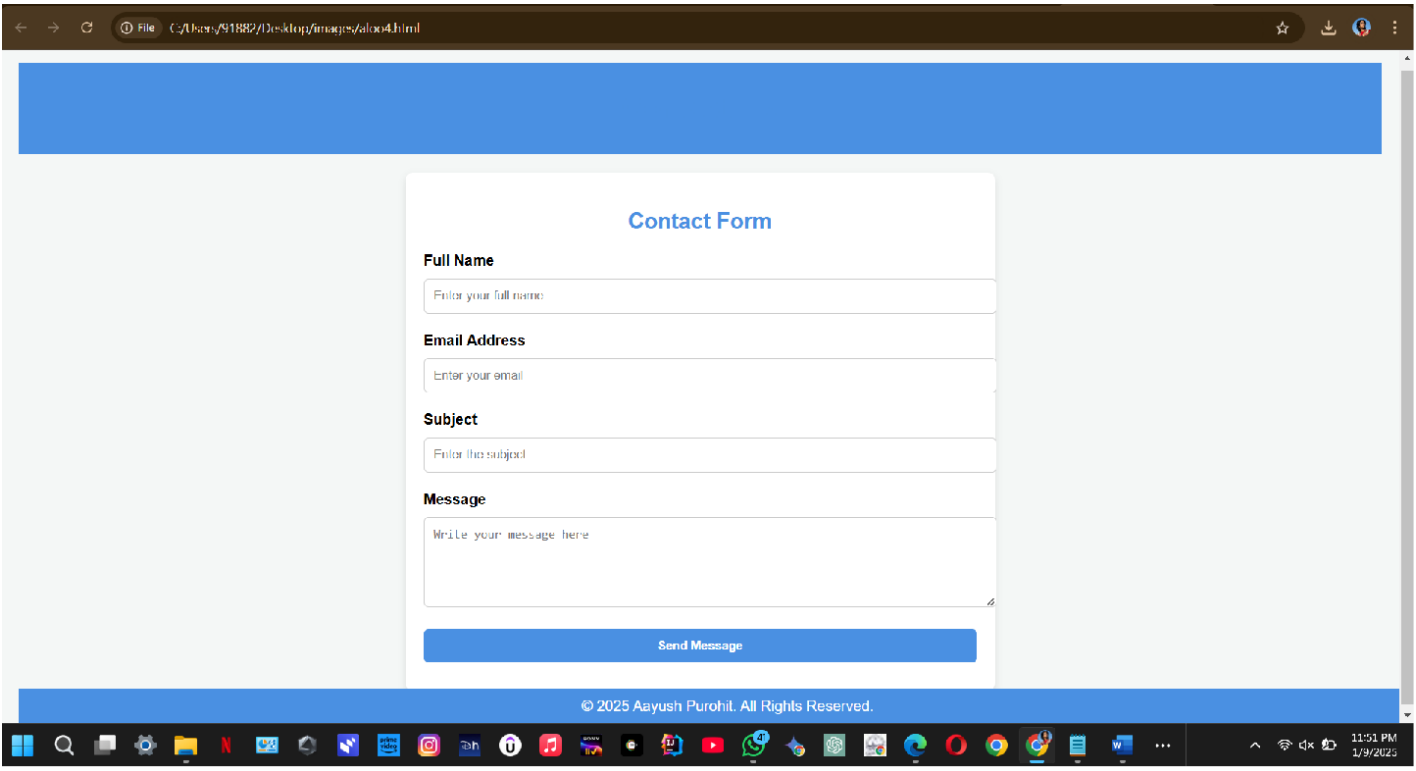
```
<textarea id="message" name="message" rows="5"
placeholder="Write your message here" required></textarea>
</section>

<!-- Submit Button -->
<section>
  <button type="submit">Send Message</button>
</section>
</form>
</main>

<footer>
  &copy; 2025 Aayush Purohit. All Rights Reserved.
</footer>
</body>

</html>
```

Output:



ASSIGNMENT 2A

Name – Aayush Purohit

Reg No. – 23BCE0378

Activity 9 :

Code :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>About Me</title>
```

```
<style>
```

```
body {
```

```
background-color: cyan;
```

```
font-family: Arial, sans-serif;
```

```
margin: 0;
```

```
padding: 0;
```

```
}
```

```
h1 {
```

```
font-size: 16px;  
color: blue;  
text-align: center;  
margin: 20px 0 5px 0;  
}
```

```
h2 {  
font-size: 14px;  
color: green;  
text-align: center;  
margin: 0 0 20px 0;  
}
```

```
p {  
font-size: 12px;  
text-align: justify;  
margin: 0;  
}
```

```
div.paragraph {  
background-color: #f2f2f2;  
margin: 10px 20px;  
padding: 10px;  
border-radius: 5px;
```

```
}
```

```
.vertical-text {  
    writing-mode: vertical-rl;  
    text-orientation: upright;  
    font-size: 14px;  
    color: #ff5733;  
}
```

```
img {  
    border-radius: 50%;  
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.5);  
    border: 3px solid #ddd;  
    width: 100px;  
    height: 100px;  
    position: relative;  
    margin: 10px;  
    float: left;  
}
```

```
img:hover {  
    transform: scale(1.1);  
    transition: transform 0.3s ease;  
}
```

```
.overflow {  
    width: 200px;  
    white-space: nowrap;  
    overflow: hidden;  
    text-overflow: ellipsis;  
}
```

```
.overflow:hover {  
    overflow: visible;  
    white-space: normal;  
}
```

```
.content-wrapper {  
    margin-left: 130px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```

```

```
<div class="content-wrapper">
```

<h1>Aayush Purohit</h1>

<h2>Adventure Lover</h2>

<div class="paragraph">

<p style="font-family: Georgia, serif;">

Hi, my name is Aayush Purohit. I am excited to tell you about a place so close to my heart.

As I love adventure in my life, I jumped into almost every dangerous stuff as a kid.

Like, I used to run around everywhere, jump from higher places, hitting my fellow mates after watching action movies when I was a kid, swimming in lakes, planning a sneak-out at midnight with cousins from our home, etc.

</p>

</div>

<div class="paragraph">

<h2>My Favorite Place</h2>

<p style="font-family: 'Courier New', monospace;">

So, let me take you to a place that I love the most in my world.

It's my grandma's home in Udaipur, Rajasthan.

Udaipur is known as the City of Lakes in India.

It's a beautiful city. The Lakes, Mountains, Forests, Wildlife, and not to miss... The Weather, are amazing in Udaipur.

There is a lot to talk about the fun I have in Udaipur: trekking in mountains, swimming in lakes, making night-time Maggi with my cousins,

watching horror movies at midnight, going cycling in the woods, long drives, and the list goes on...

</p>

</div>

<div class="paragraph">

<h2>What Udaipur Taught Me</h2>

<p style="font-family: Verdana, sans-serif;">

Udaipur is not just a city, it's a place that taught me so many things.

Learning values, building confidence, making new friends, leadership skills, being happy... almost every necessary skill.

So, this is about my world.

In my childhood, until I was in high school, once every year, my brother and I used to visit Udaipur during summer vacations. That time was great. I used to wait the whole year for this time.

Even now, when I am in college, I wait for the summer near June and July to visit Udaipur again and spend time there.

So, this was something I am very happy about.

</p>

</div>

<div>

<p class="vertical-text">Vertical Text Example</p>

</div>


```
<div style="text-align: center; margin: 20px;">
```

```
  <p class="overflow">This is how i live my life.   To the fullest..... Always  
looking for Thrill</p>
```

```
</div>
```

```
<div>
```

```
  <p style="text-align: center; font-style: italic; font-family: 'Georgia', serif;  
color: #2c3e50;">
```

```
    Signing off...<br>
```

```
    <em>Aayush</em>
```

```
  </p>
```

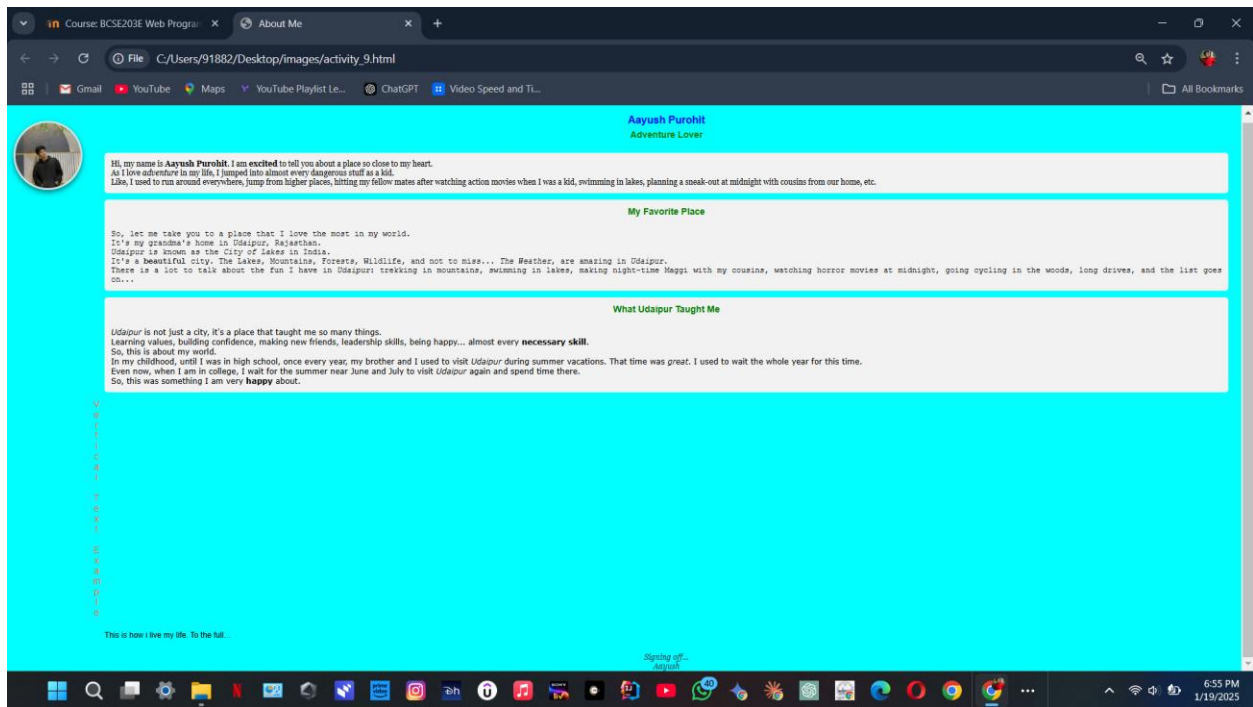
```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Webpage Output:



Activity 10 :

Code :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Winter 2024-2025 Activities</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f9f9f9;
  }

  h1 {
    text-align: center;
    font-size: 28px;
    margin: 20px 0;
    color: #2c3e50;
    text-transform: uppercase;
  }

  h2 {
    text-align: center;
    font-size: 20px;
    color: #34495e;
    margin: 20px 0 10px 0;
```

```
}
```

```
/* Section Styles */
```

```
.section {
```

```
    margin: 20px auto;
```

```
    max-width: 1200px;
```

```
    background-color: #ffffff;
```

```
    border: 1px solid #ddd;
```

```
    border-radius: 8px;
```

```
    padding: 20px;
```

```
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
```

```
}
```

```
/* Courses Section */
```

```
.courses-list ol {
```

```
    padding-left: 20px;
```

```
}
```

```
.courses-list li {
```

```
    font-size: 16px;
```

```
    margin: 8px 0;
```

```
}
```

```
.theory {
```

```
    color: #3498db; /* Blue for theory */  
}
```

```
.lab {  
    color: #2ecc71; /* Green for lab */  
}
```

```
/* Programming Languages Section */  
.languages-list {  
    display: flex;  
    justify-content: space-around;  
    align-items: center;  
    margin: 20px 0;  
}
```

```
.language {  
    text-align: center;  
}
```

```
.language img {  
    width: 80px;  
    height: auto;  
    margin-bottom: 10px;  
}
```

```
.language span {  
    font-size: 16px;  
    color: #2c3e50;  
}
```

```
/* Reviews Section */
```

```
.reviews {  
    display: grid;  
    grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));  
    gap: 20px;  
    margin-top: 20px;  
}
```

```
.review-card {  
    background-color: #fefefe;  
    border: 1px solid #ddd;  
    border-radius: 8px;  
    padding: 15px;  
    text-align: center;  
    box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
    position: relative;  
    transition: transform 0.3s ease, box-shadow 0.3s ease;  
}
```

```
.review-card:hover {  
    transform: translateY(-10px);  
    box-shadow: 0 6px 12px rgba(0, 0, 0, 0.2);  
}
```

```
.review-card img {  
    width: 120px;  
    height: auto;  
    border-radius: 8px;  
    margin-bottom: 10px;  
}
```

```
.review-card h3 {  
    font-size: 18px;  
    color: #34495e;  
    margin-bottom: 8px;  
}
```

```
.review-card p {  
    font-size: 14px;  
    color: #7f8c8d;  
    line-height: 1.5;  
}
```

```
.review-card .rating {
    position: absolute;
    top: 10px;
    right: 10px;
    background-color: #f39c12;
    color: white;
    font-size: 14px;
    font-weight: bold;
    padding: 5px 8px;
    border-radius: 50%;
    box-shadow: 0 2px 6px rgba(0, 0, 0, 0.2);
}
</style>
</head>

<body>
    <h1>Winter 2024-2025 Activities</h1>

    <!-- List of Courses Section -->
    <div class="section courses-list">
        <h2>List of Courses</h2>

        <p style="text-align: center; font-style: italic;">(Theory: <span style="color:
#3498db;">Blue</span>, Lab: <span style="color: #2ecc71;">Green</span>)</p>

        <ol>
```



```
<li class="theory">Design and Analysis of Algorithms</li>
<li class="lab">Design and Analysis of Algorithms Lab</li>
<li class="theory">Computer Architecture and Organization</li>
<li class="lab">Microprocessors and Microcontrollers Lab</li>
<li class="lab">Web Programming Lab</li>
<li class="theory">Theory of Computation</li>
<li class="theory">French</li>
```

```
</ol>
```

```
</div>
```

```
<!-- Programming Languages Section -->
```

```
<div class="section">
```

```
<h2>Programming Languages and Ratings</h2>
```

```
<div class="languages-list">
```

```
<div class="language">
```

```

```

```
<span>C++ - 8/10</span>
```

```
</div>
```

```
<div class="language">
```

```

```

```
<span>JavaScript - 9/10</span>
```

```
</div>
```

```
<div class="language">
```

```

```

```
<span>Python - 10/10</span>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- Reviews Section -->
```

```
<div class="section">
```

```
<h2>Reviews</h2>
```

```
<div class="reviews">
```

```
<div class="review-card">
```

```
<div class="rating">9.5</div>
```

```

```

```
<h3>Interstellar (Movie)</h3>
```

```
<p>A visually stunning journey through space and time by Christopher
Nolan. A masterpiece of science fiction and human emotion.</p>
```

```
</div>
```

```
<div class="review-card">
```

```
<div class="rating">9</div>
```

```

```

```
<h3>Dark (TV Show)</h3>
```

```
<p>A mind-bending German series that masterfully intertwines time
travel and family secrets. It's both haunting and captivating.</p>
```

```
</div>
```

```
<div class="review-card">
```

```
<div class="rating">10</div>



<h3>The Hobbit (Book)</h3>

<p>A timeless adventure by J.R.R. Tolkien, following Bilbo Baggins on his
unexpected journey. A treasure of fantasy literature.</p>

</div>

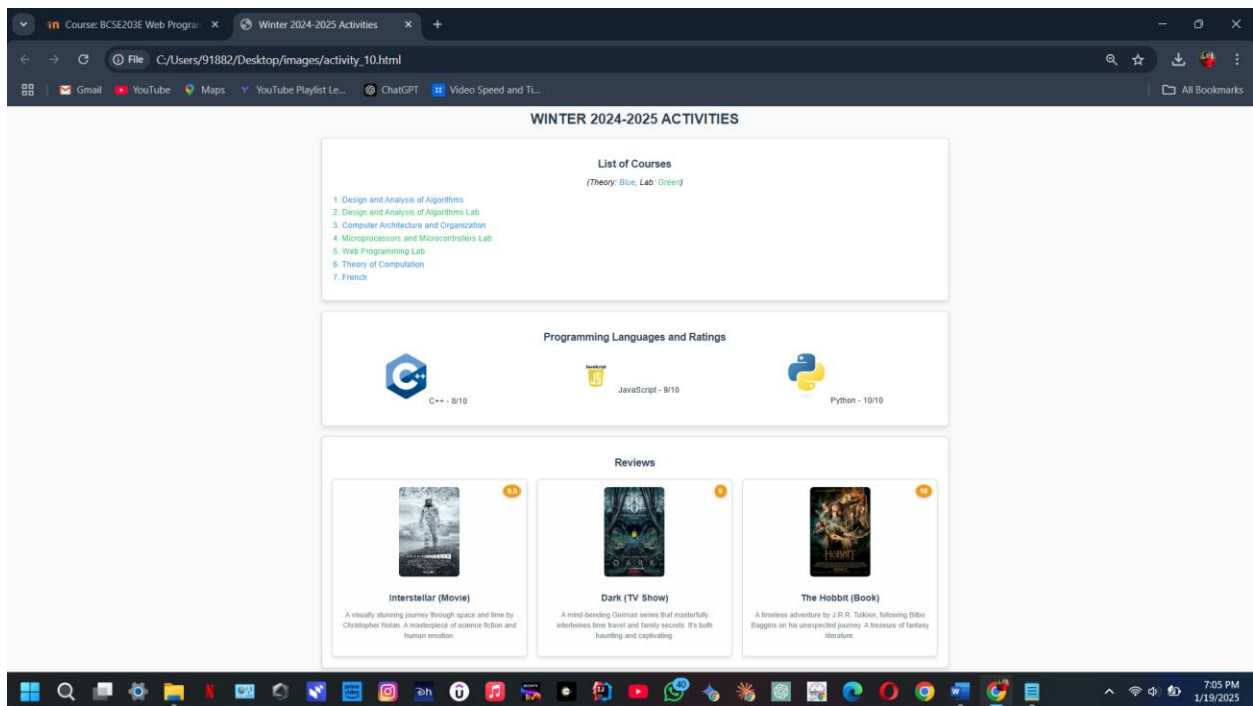
</div>

</div>

</body>

</html>
```

Webpage Output:



ASSIGNMENT 2B

Name – Aayush Purohit

Reg No. – 23BCE0378

Activity 11 :

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table Layout</title>
  <style>
    table {
      border-collapse: collapse;
      width: 800px;
      height: 600px;
      margin: 20px auto;
    }
```

```
td {  
    border: 2px solid black;  
    padding: 15px;  
    text-align: center;  
    vertical-align: middle;  
}
```

```
.blue-bg {  
    background-color: #87CEEB;  
}
```

```
.orange-text {  
    color: #FF8C00;  
    font-size: 20px;  
    font-weight: bold;  
    font-family: Arial, sans-serif;  
}
```

```
.green-text {  
    color: #008000;  
    font-size: 20px;  
    font-weight: bold;  
    font-family: Arial, sans-serif;
```

```
}
```

```
.blue-text {
```

```
    color: #0000FF;
```

```
    font-size: 20px;
```

```
    font-weight: bold;
```

```
    font-family: Arial, sans-serif;
```

```
}
```

```
.profile-img {
```

```
    width: 100%;
```

```
    height: auto;
```

```
    max-height: 200px;
```

```
    object-fit: cover;
```

```
}
```

```
.startup-img {
```

```
    width: 100%;
```

```
    height: auto;
```

```
    max-height: 100px;
```

```
    object-fit: contain;
```

```
}
```

```
a {
```

```
        text-decoration: none;
    }

    a:hover {
        text-decoration: underline;
    }
</style>
</head>
<body>
    <table>
        <tbody>
            <tr>
                <td rowspan="2">
                    
                </td>
                <td class="blue-bg">r1c2</td>
                <td colspan="2" class="blue-bg">r1c3</td>
                <td class="orange-text">Stay Positive!</td>
                <td rowspan="5">r1c6</td>
            </tr>
            <tr>
                <td>r2c2</td>
                <td colspan="2" class="green-text">
                    <a href="mailto:your.email@example.com">Email Me</a>
```

```

        </td>
        <td class="orange-text">Believe in Yourself!</td>
    </tr>
    <tr>
        <td class="blue-text">
            <a href="home.html">Go to Home</a>
        </td>
        <td>r3c2</td>
        <td>r3c3</td>
        <td>r3c4</td>
        <td>
            
        </td>
    </tr>
    <tr>
        <td class="blue-bg">r4c1</td>
        <td class="blue-bg">r4c2</td>
        <td colspan="2" class="orange-text">You Can Achieve Anything!</td>
        <td>r4c6</td>
    </tr>
    <tr>
        <td>r5c1</td>
        <td>r5c2</td>
        <td class="orange-text">Keep Learning!</td>

```



```
<td>r5c4</td>
```

```
<td class="orange-text">Be Grateful!</td>
```

```
</tr>
```

```
<tr>
```

```
<td colspan="5" class="orange-text">Embrace Challenges!</td>
```

```
<td>r5c6</td>
```

```
</tr>
```

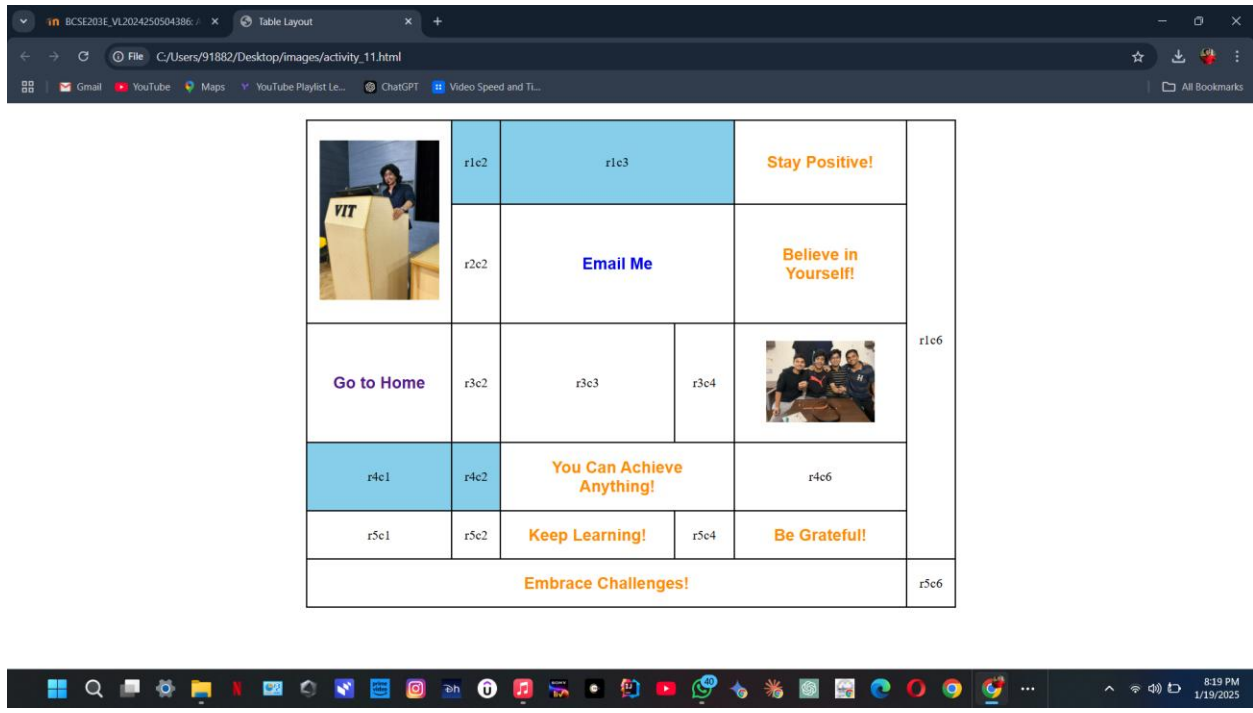
```
</tbody>
```

```
</table>
```

```
</body>
```

```
</html>
```

Webpage Output :



Activity 12 :

Code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Contact Us</title>
```

```
<style>
```

```
  /* General Styles */
```

```
  body {
```

```
    font-family: Arial, sans-serif;
```

```
    background-color: #f4f7f6;
```

```
    margin: 0;
```

```
    padding: 0;
```

```
  }
```

```
  /* Header Section */
```

```
  header {
```

```
    background-color: #4a90e2;
```

```
    color: white;
```

```
    text-align: center;
```

```
    padding: 20px 10px;
```

```
  }
```

```
  /* Navigation Menu */
```

```
  nav {
```

```
    background-color: #fff;
```

```
    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
```

```
    position: sticky;
```

```
    top: 0;
    z-index: 1000;
}
nav ul {
    list-style: none;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
}
nav ul li {
    margin: 0 15px;
}
nav ul li a {
    text-decoration: none;
    font-weight: bold;
    color: #4a90e2;
}
nav ul li a:hover {
    color: #357ab8;
}

/* Main Section */
main {
```

```
    max-width: 600px;
    margin: 20px auto;
    background: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}
main h2 {
    color: #4a90e2;
    text-align: center;
}
label {
    font-weight: bold;
    margin-top: 10px;
    display: block;
}
input, textarea, button {
    width: 100%;
    padding: 10px;
    margin: 10px 0;
    border: 1px solid #ccc;
    border-radius: 5px;
}
button {
```

```
background-color: #4a90e2;
color: white;
font-weight: bold;
border: none;
cursor: pointer;
}
button:hover {
background-color: #357ab8;
}
```

```
/* Footer Section */
```

```
footer {
text-align: center;
padding: 10px;
background-color: #4a90e2;
color: white;
position: fixed;
bottom: 0;
width: 100%;
}
```

```
/* Box Model and Positioning */
```

```
header, nav, main, footer {
margin: 0 auto;
```

```
padding: 0 15px;
}
</style>
</head>
<body>
  <header>
    <h1>Contact Us</h1>
  </header>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#services">Services</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
  <main>
    <form action="#" method="post">
      <section>
        <h2>Contact Form</h2>
        <label for="full-name">Full Name</label>
        <input type="text" id="full-name" name="full-name" placeholder="Enter
your full name" required>
        <label for="email">Email Address</label>
```

```
<input type="email" id="email" name="email" placeholder="Enter your email" required>
```

```
<label for="subject">Subject</label>
```

```
<input type="text" id="subject" name="subject" placeholder="Enter the subject" required>
```

```
<label for="message">Message</label>
```

```
<textarea id="message" name="message" rows="5" placeholder="Write your message here" required></textarea>
```

```
</section>
```

```
<section>
```

```
<button type="submit">Send Message</button>
```

```
</section>
```

```
</form>
```

```
</main>
```

```
<footer>
```

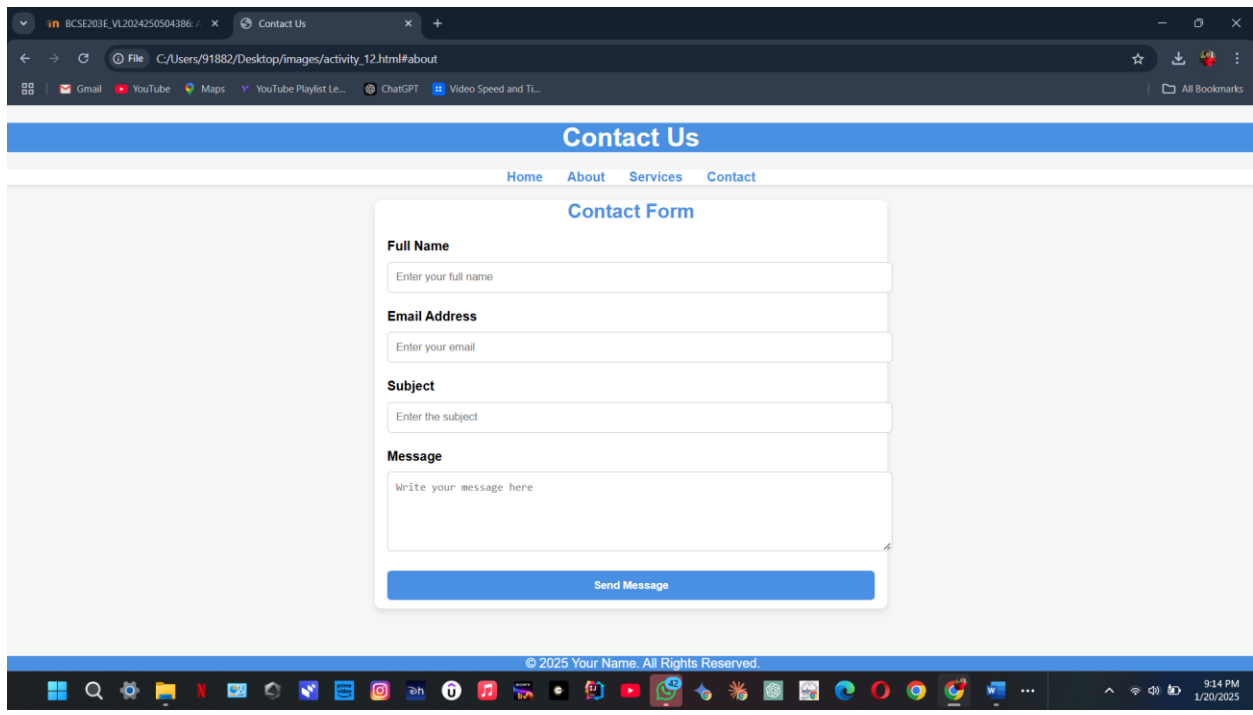
```
&copy; 2025 Your Name. All Rights Reserved.
```

```
</footer>
```

```
</body>
```

```
</html>
```


Webpage Output:



Website Designing Code :

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Health Universe</title>
```

```
</head>
```

```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #f4f4f4;  
    color: #333;  
}  
header {  
    background: #4caf50;  
    color: white;  
    padding: 20px 10px;  
    text-align: center;  
}  
nav {  
    display: flex;  
    justify-content: center;  
    background: #333;  
    padding: 10px 0;  
}  
nav a {  
    color: white;  
    text-decoration: none;  
    margin: 0 15px;  
    font-size: 18px;
```

```
}  
nav a:hover {  
    text-decoration: underline;  
}  
.content {  
    padding: 20px;  
}  
.blog img {  
    width: 100%;  
    max-width: 400px;  
    height: auto;  
    border-radius: 8px;  
    margin-bottom: 10px;  
}  
footer {  
    background: #333;  
    color: white;  
    text-align: center;  
    padding: 20px 10px;  
    margin-top: 20px;  
}  
footer form {  
    display: flex;  
    flex-direction: column;
```

```
        align-items: center;
    }
    footer form input, footer form textarea {
        width: 80%;
        max-width: 400px;
        padding: 10px;
        margin: 10px 0;
        border: 1px solid #ccc;
        border-radius: 5px;
    }
    footer form button {
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        background: #4caf50;
        color: white;
        cursor: pointer;
    }
    footer form button:hover {
        background: #45a049;
    }
</style>
</head>
<body>
```

```
<header>
```

```
  <h1>Welcome to Health Universe - Your Guide to Healthy Living</h1>
```

```
</header>
```

```
<nav>
```

```
  <a href="#home">Home</a>
```

```
  <a href="#navigation">Topics</a>
```

```
  <a href="#blog">Blog</a>
```

```
  <a href="#contact">Contact Us</a>
```

```
</nav>
```

```
<section id="home" class="content">
```

```
  <h2>About Us</h2>
```

```
  <p>Welcome to Health Universe, your ultimate guide to nutritious and  
delicious living. Explore a wealth of healthy recipes, tips, and lifestyle guidance  
tailored to help you thrive.</p>
```

```
</section>
```

```
<section id="navigation" class="content">
```

```
  <h2>Topics</h2>
```

```
  <ul>
```

```
    <li>Understanding the Benefits of Fruits</li>
```

```
    <li>Top Vegetables for Better Health</li>
```

```
    <li>Easy and Nutritious Recipes for Every Meal</li>
```

```
  </ul>
```

```
</section>
```

```
<section id="blog" class="content blog">
```

```
  <h2>Blog</h2>
```

<h3>Healthy Smoothie</h3>

<p>A blend of fresh fruits like bananas, strawberries, and spinach to kickstart your day with energy.</p>

<h3>Fresh Salad</h3>

<p>A mix of greens, cherry tomatoes, cucumbers, and a splash of olive oil for a refreshing meal.</p>

<h3>Fruit Platter</h3>

<p>An assortment of seasonal fruits including oranges, grapes, and berries for a healthy snack.</p>

</section>

<footer id="contact">

<h2>Contact Us</h2>

<form>

<input type="text" placeholder="Your Name" required>

<input type="email" placeholder="Your Email" required>

<textarea placeholder="Your Message" rows="4" required></textarea>

<button type="submit">Send Message</button>

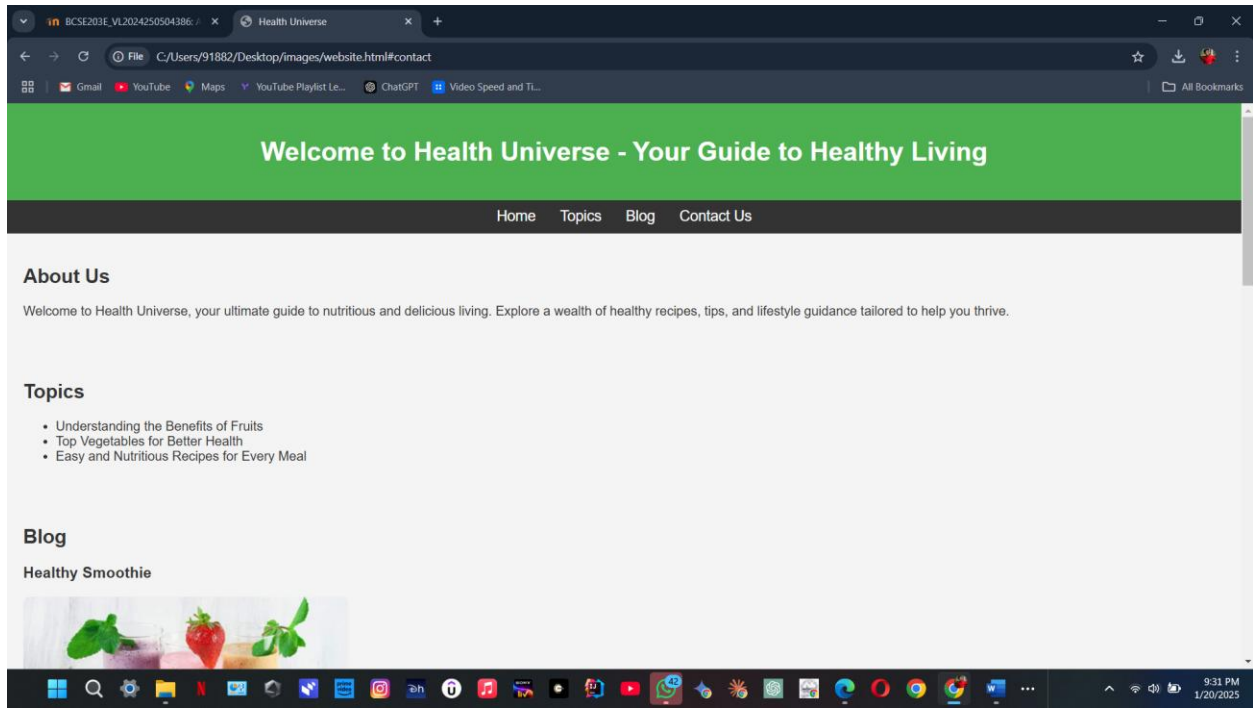
</form>

</footer>

</body>

</html>

Website Output –




BCSE203E_VL2024250504386 / x Health Universe

C:/Users/91882/Desktop/images/website.html#contact

Gmail YouTube Maps YouTube Playlist L... ChatGPT Video Speed and TL...


Blog

Healthy Smoothie



A blend of fresh fruits like bananas, strawberries, and spinach to kickstart your day with energy.

Fresh Salad



Windows taskbar: 9:31 PM 1/20/2025


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C:/Users/91882/Desktop/images/website.html#contact

Gmail YouTube Maps YouTube Playlist L... ChatGPT Video Speed and TL...


Blog

Fresh Salad



A mix of greens, cherry tomatoes, cucumbers, and a splash of olive oil for a refreshing meal.

Fruit Platter



Windows taskbar: 9:32 PM 1/20/2025

