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Registration Number: 230201075

Department and batch: CS O4 (A)

Semester: 5th semester

LAB TASK # 1

Web Technologies



Institute of Space and Technology

Submitted to: Ms. Maryam Batool

Objective

The objective of this lab is to design and implement a **personal portfolio website** using **pure HTML**, showcasing basic webpage structuring, linking multiple pages, inserting images, and creating a professional layout without the use of CSS.

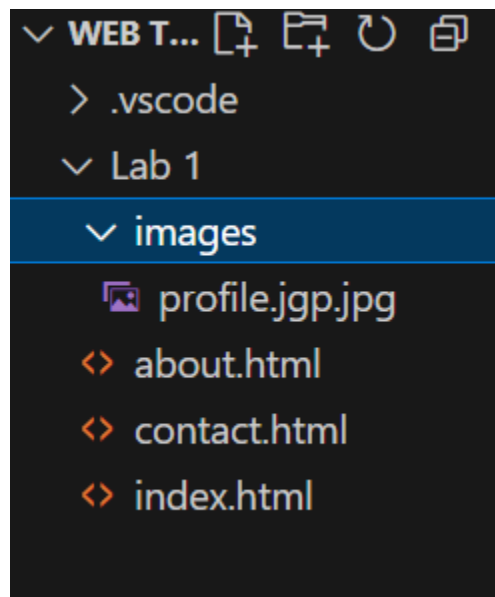
Tools & Technologies

- **Software:** Visual Studio Code (VS Code)
- **Language:** HTML5
- **Browser:** Google Chrome

Lab Task

Folder Structure

- **Lab 1** (main project folder)
 - **index.html** → Home page
 - **about.html** → About page
 - **contact.html** → Contact page
 - **images** (folder)
 - **profile.jpg** → Profile picture



Code

index.html (Home page):

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Ariba Shuaib | Portfolio</title>
6 </head>
7 <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:#fafa;">
8
9   <!-- ===== HEADER ===== -->
10  <header style="text-align:center; padding:30px 10px;">
11    
14    <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shoaib</h1>
15    <p style="font-size:18px; color:#444;">
16      Computer Science Student | Aspiring Web Developer
17    </p>
18
19    <nav style="margin-top:25px;">
20      <a href="index.html"
21        style="margin:0 25px; font-size:20px; font-weight:bold;
22          text-decoration:none; color:#0066cc;">Home</a>
23      <a href="about.html"
24        style="margin:0 25px; font-size:20px; font-weight:bold;
25          text-decoration:none; color:#0066cc;">About</a>
26      <a href="contact.html"
27        style="margin:0 25px; font-size:20px; font-weight:bold;
28          text-decoration:none; color:#0066cc;">Contact</a>
29    </nav>
30  </header>
31
32  <hr style="margin:0 15%;">
33
34  <!-- ===== MAIN CONTENT ===== -->
```

```
37  Welcome to My Portfolio!
38 </h2>
39 <p style="font-size:18px; line-height:1.6;">
40  Hello! I'm <strong>Ariba Shoaib</strong>, a passionate Computer Science
41  student exploring <em>web development</em>, <em>data science</em>, and
42  <em>AI</em>. This portfolio highlights my skills and interests.
43 </p>
44
45 <h3 style="margin-top:40px; font-size:24px;">Education & Skills</h3>
46 <table border="1" cellpadding="10" cellspacing="0"
47   style="width:100%; border-collapse:collapse; text-align:center;
48     font-size:18px; margin-top:10px;">
49   <tr style="background:#e6e6e6;">
50     <th>Education</th>
51     <th>Skills</th>
52   </tr>
53   <tr>
54     <td>BS Computer Science (Ongoing)</td>
55     <td>HTML, C++, Python, AI Basics</td>
56   </tr>
57   <tr>
58     <td>Certifications</td>
59     <td>UNICEF Certifications, Data Analysis</td>
60   </tr>
61 </table>
62
63 <h3 style="margin-top:40px; font-size:24px;">External Links</h3>
```


about.html (About Page):

```
Lab 1 > <> about.html > html > body > header > img
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <title>About | Ariba Shuaib</title>
6  </head>
7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:■ #fafafa;">
8
9    <!-- HEADER -->
10   <header style="text-align:center; padding:30px 10px;">
11     
14     <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shoaib</h1>
15     <p style="font-size:18px; color:■ #444;">
16       Computer Science Student | Aspiring Web Developer
17     </p>
18     <nav style="margin-top:25px;">
19       <a href="index.html" style="margin:0 25px; font-size:20px;
20         font-weight:bold; text-decoration:none; color:■ #0066cc;">Home</a>
21       <a href="about.html" style="margin:0 25px; font-size:20px;
22         font-weight:bold; text-decoration:none; color:■ #0066cc;">About</a>
23       <a href="contact.html" style="margin:0 25px; font-size:20px;
24         font-weight:bold; text-decoration:none; color:■ #0066cc;">Contact</a>
25     </nav>
26   </header>
27
28   <hr style="margin:0 15%;">
29
30   <!-- MAIN -->
31   <main style="max-width:800px; margin:40px auto; padding:0 20px;">
32     <h2 style="text-align:center; font-size:30px;">About Me</h2>
33     <p style="font-size:18px; line-height:1.6;">
34       I'm a 5th-semester Computer Science student at IST (Islamabad, Pakistan).
35       My passion lies in <strong>web technologies</strong>,
36       <strong>AI</strong>, and <strong>data science</strong>.
37       I enjoy building visually appealing, functional web applications
38       and continuously improving my problem-solving skills.
39     </p>
40
41     <h3 style="margin-top:40px; font-size:24px;">Interests</h3>
42     <ul style="font-size:18px; line-height:1.8;">
43       <li>Front-end Web Development</li>
44       <li>Machine Learning & AI</li>
45       <li>Data Structures & Algorithms</li>
46     </ul>
47   </main>
48
49   <footer style="text-align:center; padding:20px; color:■ #555;">
50     © 2025 Ariba Shuaib. All rights reserved.
51   </footer>
52 </body>
53 </html>
```

```
Lab 1 > <> about.html > html > body > header > img
2  <html lang="en">
7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background:■ #fafafa;">
10 <header style="text-align:center; padding:30px 10px;">
26 </header>
27
28 <hr style="margin:0 15%;">
29
30 <!-- MAIN -->
31 <main style="max-width:800px; margin:40px auto; padding:0 20px;">
32 <h2 style="text-align:center; font-size:30px;">About Me</h2>
33 <p style="font-size:18px; line-height:1.6;">
34   I'm a 5th-semester Computer Science student at IST (Islamabad, Pakistan).
35   My passion lies in <strong>web technologies</strong>,
36   <strong>AI</strong>, and <strong>data science</strong>.
37   I enjoy building visually appealing, functional web applications
38   and continuously improving my problem-solving skills.
39 </p>
40
41 <h3 style="margin-top:40px; font-size:24px;">Interests</h3>
42 <ul style="font-size:18px; line-height:1.8;">
43   <li>Front-end Web Development</li>
44   <li>Machine Learning & AI</li>
45   <li>Data Structures & Algorithms</li>
46 </ul>
47 </main>
48
49 <footer style="text-align:center; padding:20px; color:■ #555;">
50   © 2025 Ariba Shuaib. All rights reserved.
51 </footer>
52 </body>
53 </html>
54
```

Explanation:

- Simple page introducing personal background and interests.
- Reuses the same <header> navigation so all pages stay visually consistent.
- <p> contains descriptive text.

contact.html (Contact Page):

```
Lab 1 > <> contact.html > <html> <body> <main> <ul> <li> <a>
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <title>Contact | Ariba Shoaib</title>
6 </head>
7 <body style="font-family:Arial, sans-serif; margin:0; padding:0; background: #fafafa;">
8
9 <!-- HEADER -->
10 <header style="text-align:center; padding:30px 10px;">
11 
14 <h1 style="margin:20px 0 10px; font-size:36px;">Ariba Shoaib</h1>
15 <p style="font-size:18px; color:#444;">
16 Computer Science Student | Aspiring Web Developer
17 </p>
18 <nav style="margin-top:25px;">
19 <a href="index.html" style="margin:0 25px; font-size:20px;
20 font-weight:bold; text-decoration:none; color:#0066cc;">Home</a>
21 <a href="about.html" style="margin:0 25px; font-size:20px;
22 font-weight:bold; text-decoration:none; color:#0066cc;">About</a>
23 <a href="contact.html" style="margin:0 25px; font-size:20px;
24 font-weight:bold; text-decoration:none; color:#0066cc;">Contact</a>
25 </nav>
26 </header>
27
28 <hr style="margin:0 15%;">
29
30 <!-- MAIN -->
31 <main style="max-width:800px; margin:40px auto; padding:0 20px;">
32 <h2 style="text-align:center; font-size:30px;">Contact Me</h2>
33 <p style="font-size:18px; line-height:1.6;">
34 Feel free to reach out for collaborations, internships, or any queries.
```

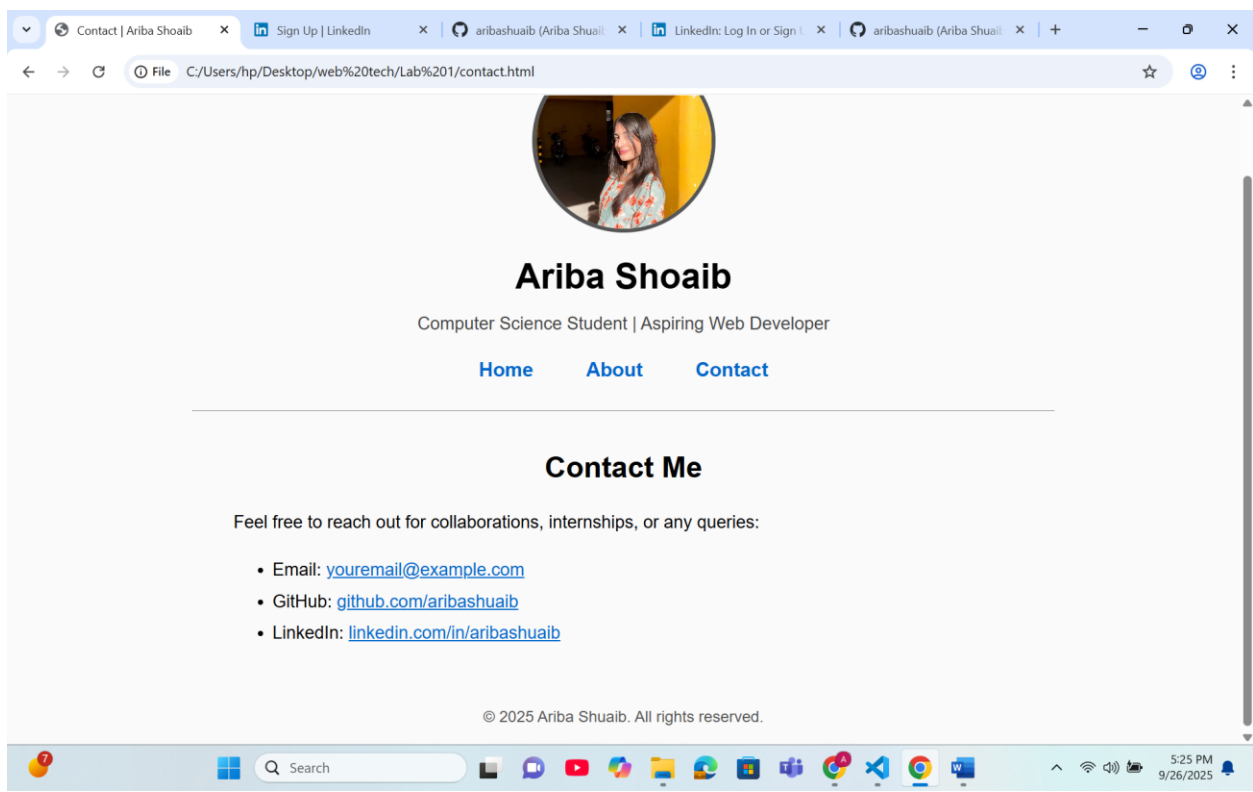
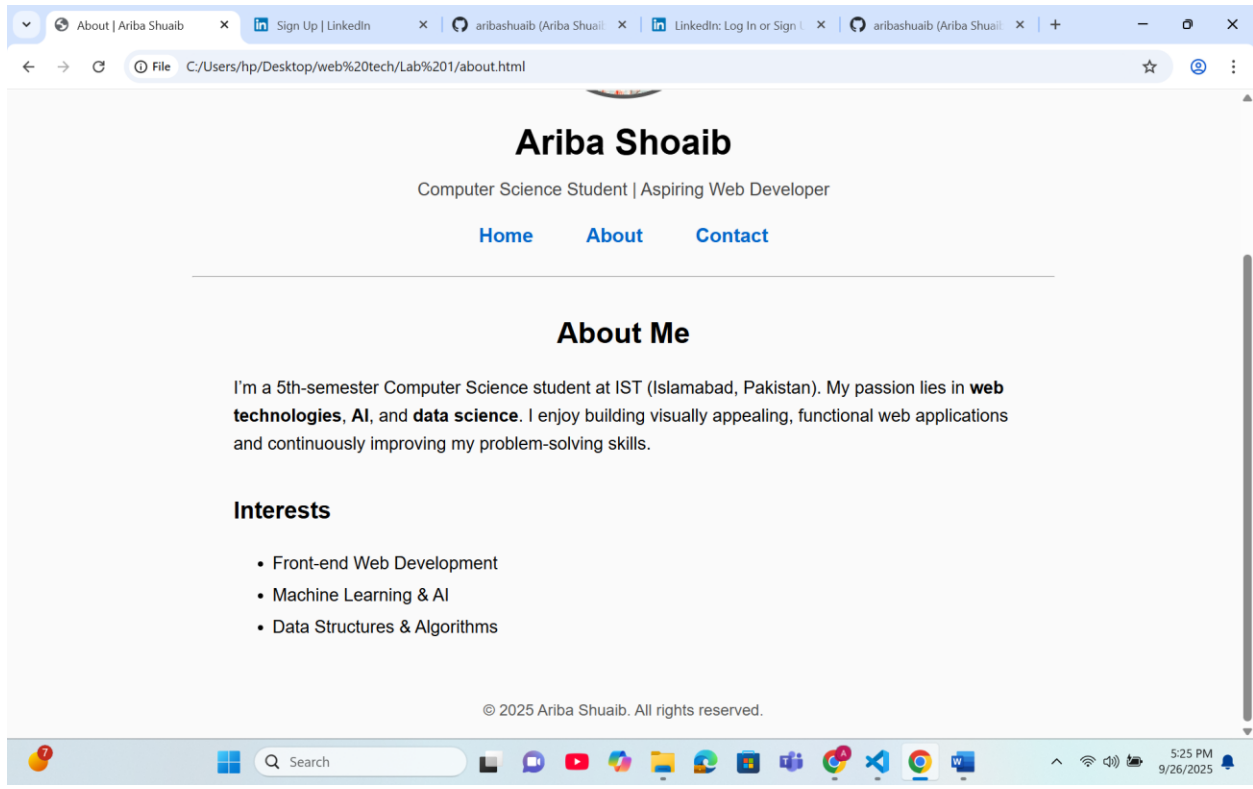
```
Lab 1 > <> contact.html > <html> <body> <main> <ul> <li> <a>
  2  <html lang="en">
  7  <body style="font-family:Arial, sans-serif; margin:0; padding:0; background: #fafafa;">
26  </header>
27
28  <hr style="margin:0 15%;">
29
30  <!-- MAIN -->
31  <main style="max-width:800px; margin:40px auto; padding:0 20px;">
32    <h2 style="text-align:center; font-size:30px;">Contact Me</h2>
33    <p style="font-size:18px; line-height:1.6;">
34      | Feel free to reach out for collaborations, internships, or any queries:
35    </p>
36    <ul style="font-size:18px; line-height:1.8;">
37      <li>Email: <a href="mailto:aribashuaib1@gmail.com"
38        | style="color: #0066cc;">youremail@example.com</a></li>
39      <li>GitHub: <a href="https://github.com/aribashuaib"
40        | style="color: #0066cc;">github.com/aribashuaib</a></li>
41      <li>LinkedIn: <a href="https://www.linkedin.com/in/aribashuaib"
42        | style="color: #0066cc;">linkedin.com/in/aribashuaib</a></li>
43    </ul>
44  </main>
45
46  <footer style="text-align:center; padding:20px; color: #555;">
47    © 2025 Ariba Shuaib. All rights reserved.
48  </footer>
49 </body>
50 </html>
51
```

Explanation:

- Displays contact details inside an unordered list .
- GitHub and LinkedIn are clickable external links with target="_blank" to open in a new tab.
- Navigation is consistent with other pages.

Execution Steps

- Created a folder named Lab 1.
- Inside it I created:
 - index.html
 - about.html
 - contact.html
 - a folder named **images** (placed my **profile.jpg** inside).
- Opened index.html in any browser (Chrome here) to test navigation and links.



External Links:

The image is a screenshot of a web browser with multiple tabs open. The first tab shows the GitHub profile of 'Ariba Shuaib' (aribashuaib). The profile includes a circular profile picture, the name 'Ariba Shuaib', and the username 'aribashuaib'. Below the name is a 'Follow' button and a link to 'www.linkedin.com/in/aribashuaib'. The 'Popular repositories' section lists four repositories: '8086-Assembly-Login-Registration-System' (Public, Assembly, 1 star), 'ML-Models-Showcase' (Public, Jupyter Notebook), 'neural-network-letter-recognition' (Public, Jupyter Notebook), and 'Machine-Learning-Projects' (Public, Jupyter Notebook). A '27 contributions in the last year' calendar chart is also visible.

The second tab shows the LinkedIn sign-up page. It features the LinkedIn logo at the top left. The main heading is 'Join LinkedIn'. Below this are two input fields: 'Email' and 'Password (6+ characters)'. A blue button labeled 'Agree & Join' is positioned below the password field. A link to 'Continue with Google' is also present. At the bottom of the sign-up form, there is a link for 'Already on LinkedIn? Sign in'. A small notification box on the right side of the page says 'LinkedIn is better on the app' and provides a link to 'Open the app'. The footer of the LinkedIn page includes various links such as 'About', 'Accessibility', 'User Agreement', 'Privacy Policy', 'Cookie Policy', 'Copyright Policy', 'Brand Policy', 'Guest Controls', 'Community guidelines', and 'Language'.