**WEB TECHNOLOY LAB**

**REPORT 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Date** | **Roll no** | **Section** | **Semester** |
| **M. Numan Ali** | **16 Oct,25** | **Fall23-BSCS-267** | **G** | **5** |

**Submitted To:**

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**Department Of Computer Science**

**Lahore Garrison University**

**CODE:**

Objective:

To learn basic HTML5 structure, semantic tags, accessibility, and validation using W3C.

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>My Personal Webpage</title>

</head>

<body>

  <!-- ========== HEADER SECTION ========== -->

  <header>

    <h1>Welcome to My Webpage</h1>

    <p>Aspiring Web Developer and AI Enthusiast</p>

  </header>

  <!-- ========== NAVIGATION ========== -->

  <nav>

    <ul>

      <li><a href="#about">About Me</a></li>

      <li><a href="#projects">Projects</a></li>

      <li><a href="https://github.com/" target="\_blank">GitHub</a></li>

    </ul>

  </nav>

  <!-- ========== MAIN CONTENT ========== -->

  <main>

    <!-- ---- About Section ---- -->

    <article id="about">

      <h2>About Me</h2>

      <p>Hello! I’m Muhammad from Punjab, Pakistan. I love coding, learning new web technologies, and working on AI-based ideas.</p>

      <img src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAAkGBxMTEhUTExIWFRUXGBgaGBgYGR0YGxgYGhcaGhgTG45ivV84AP/9k=" alt="Profile picture of Muhammad smiling">

    </article>

    <!-- ---- Quick Facts (Aside) ---- -->

    <aside>

      <h3>Quick Facts</h3>

      <ul>

        <li>Location: Punjab, Pakistan</li>

        <li>Interests: Web Development, Artificial Intelligence</li>

        <li>Languages: English, Urdu</li>

      </ul>

    </aside>

    <!-- ---- Projects Section ---- -->

    <article id="projects">

      <h2>Projects</h2>

      <ul>

        <li><a href="project1.html">Portfolio Website</a></li>

        <li><a href="project2.html">AI Chatbot Demo</a></li>

      </ul>

    </article>

  </main>

  <!-- ========== FOOTER SECTION ========== -->

  <footer>

    <p>© 2025 Muhammad. All rights reserved.</p>

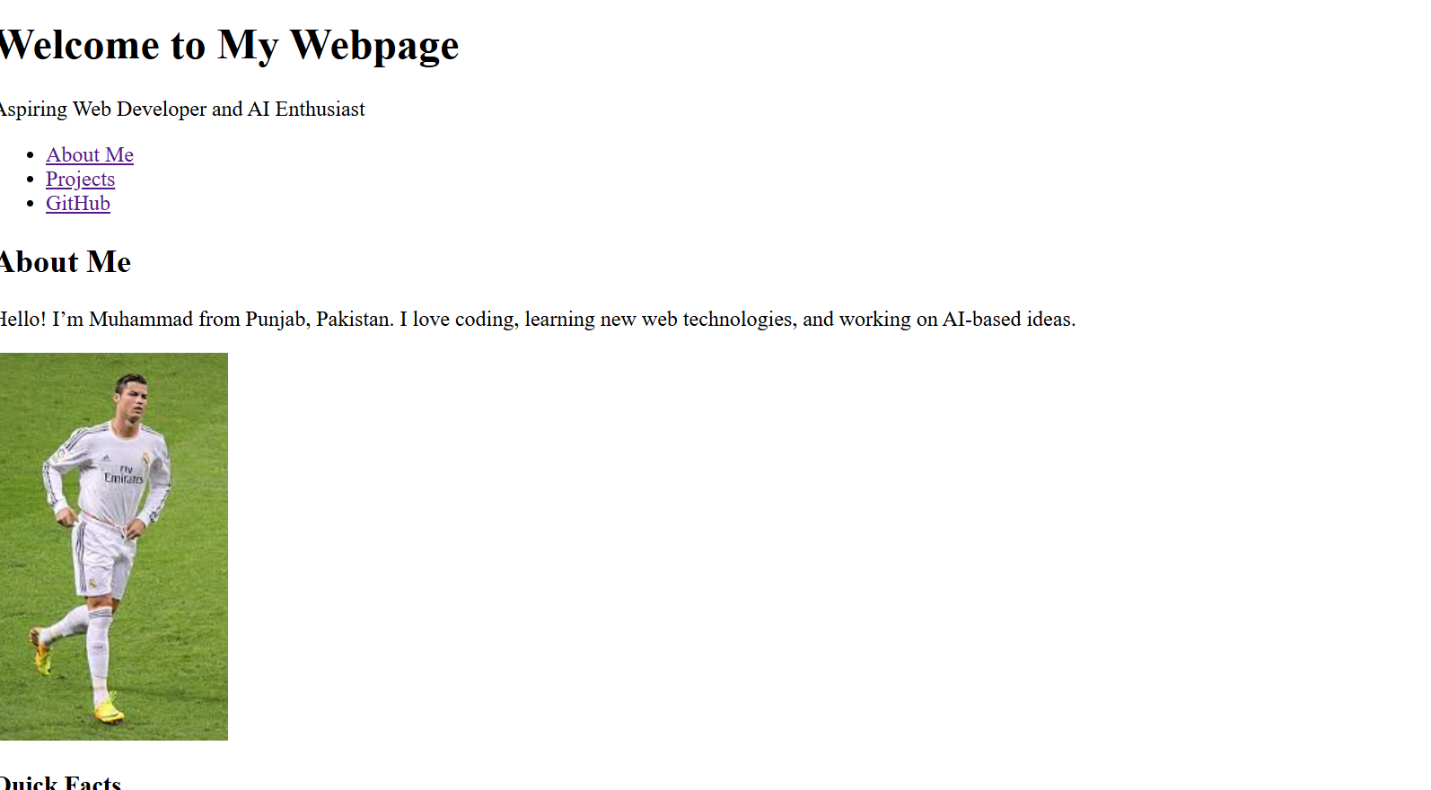
    <p><a href="mailto:muhammad@example.com">Contact Me</a></p>

  </footer>

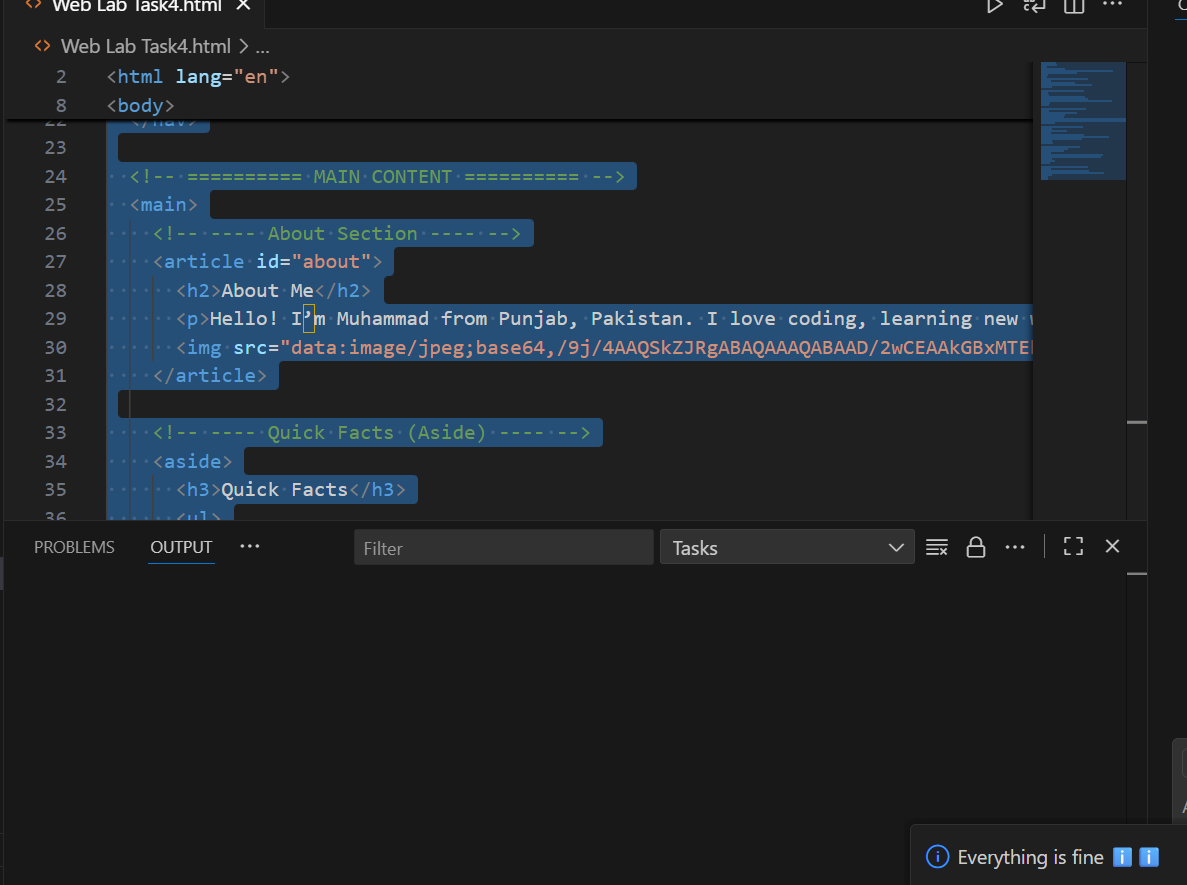
</body>

</html>

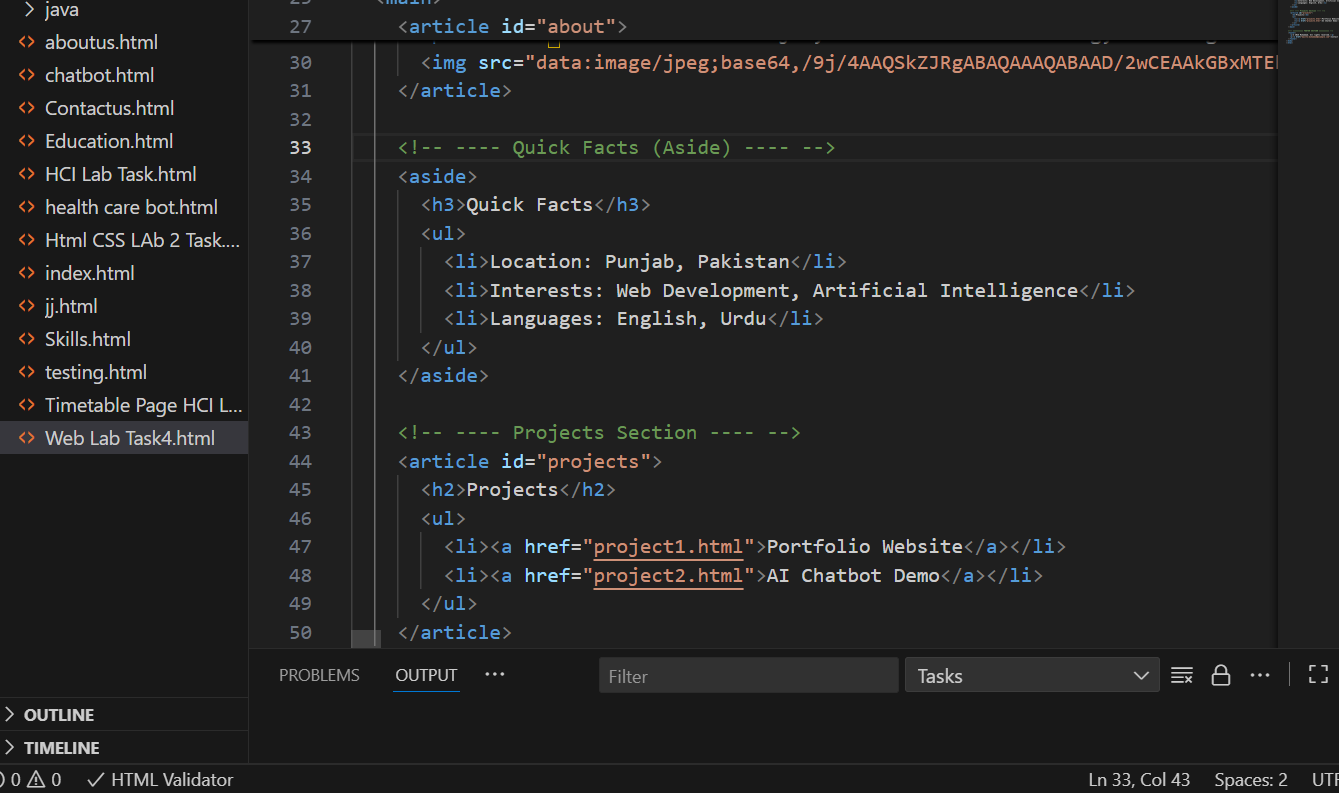
**Figure 1: Webpage in Live Server**



**Figure 2: HTML Validation Output**



**Figure 3: Accessibility Features (alt text, links)**



**CONCLUSION:**

In this lab, I learned how to create a basic webpage using semantic HTML5 tags

(header, nav, main, article, aside, footer) and ensure accessibility

(alt text, descriptive links, heading hierarchy). I validated my code

using W3C Validator and confirmed that it has no errors or warnings.