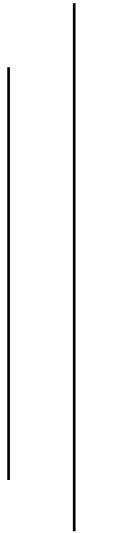




TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
PULCHOWK CAMPUS

A LAB REPORT
on
HTML & CSS
(MultiPage-Blog Website)



SUBMITTED BY:

Name: Subesh Yadav
Roll: 080BCT084
Group: D
Lab No :1
Date: 1/6/2026

SUBMITTED TO:

Prakash Chandra Sir

Department of Electronics
and Computer Engineering

Code

Index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Subesh's Tech Blog | Home</title>
    <link rel="stylesheet" href="style.css" />
    <link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap"
rel="stylesheet"
/>
  </head>
  <body>
    <nav class="navbar">
      <div class="container">
        <a href="index.html" class="logo">Subesh<span>.dev</span></a>
        <ul class="nav-links">
          <li><a href="index.html" class="active">Home</a></li>
          <li><a href="about.html">About</a></li>
          <li><a href="contact.html">Contact</a></li>
        </ul>
      </div>
    </nav>

    <header class="blog-hero">
      <div class="container">
        <h1>Technology & Engineering Blog</h1>
        <p>
          Exploring programming, web development, and computer
          engineering concepts.
        </p>
      </div>
    </header>

    <main class="container">
      <section class="post-grid">
        <article class="post-card">
          <div
            class="post-img"
            style="background-color: #3b82f6"
          ></div>
```

```
<div class="post-content">
  <span class="category">Web Development</span>
  <h3>Understanding HTML & CSS Fundamentals</h3>
  <p>
    An overview of how HTML structures web pages and how
    CSS controls layout.
  </p>
  <a href="post.html?id=1" class="read-more"
    >Read Article →</a>
  >
</div>
</article>
```

```
<article class="post-card">
  <div
    class="post-img"
    style="background-color: #10b981"
  ></div>
  <div class="post-content">
    <span class="category">Programming</span>
    <h3>Introduction to JavaScript Logic</h3>
    <p>
      Learn how variables, conditions, and loops build
      dynamic applications.
    </p>
    <a href="post.html?id=2" class="read-more"
      >Read Article →</a>
    >
  </div>
</article>
```

```
<article class="post-card">
  <div
    class="post-img"
    style="background-color: #f59e0b"
  ></div>
  <div class="post-content">
    <span class="category">Computer Engineering</span>
    <h3>Basics of Computer Networks</h3>
    <p>
      A simple explanation of LAN, WAN, IP addresses, and
      data transfer.
    </p>
    <a href="post.html?id=3" class="read-more"
      >Read Article →</a>
    >
  </div>
</article>
```

```
        </div>
    </article>
</section>
</main>

<footer class="blog-footer">
    <p>&copy; 2025 Subesh Yadav</p>
</footer>
</body>
</html>
```

About.html

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>About | Subesh's Tech Blog</title>
        <link rel="stylesheet" href="style.css" />
    </head>
    <body>
        <nav class="navbar">
            <div class="container">
                <a href="index.html" class="logo">Subesh<span>.dev</span></a>
                <ul class="nav-links">
                    <li><a href="index.html">Home</a></li>
                    <li><a href="about.html" class="active">About</a></li>
                    <li><a href="contact.html">Contact</a></li>
                </ul>
            </div>
        </nav>

        <main class="container single-post">
            <div class="post-header">
                <h1>About This Blog</h1>
                <p class="post-meta">Technology • Programming • Engineering</p>
            </div>

            <div class="post-body">
                <p>
                    Subesh.dev is a technology-focused blog that shares insights
                    on web development, programming fundamentals, and computer
                    engineering concepts. The goal is to explain technical
                    topics in a clear and practical way.
                </p>
```

```
<p>
  Topics covered include HTML and CSS, JavaScript basics,
  software development practices, and core computer science
  principles that are essential for aspiring engineers and
  developers.
</p>

<blockquote>
  Technology becomes powerful when complex ideas are explained
  simply.
</blockquote>
</div>
</main>

<footer class="blog-footer">
  <p>&copy; 2025 Subesh Yadav</p>
</footer>
</body>
</html>
```

Contact.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Contact | Subesh's Tech Blog</title>
    <link rel="stylesheet" href="style.css" />
  </head>
  <body>
    <nav class="navbar">
      <div class="container">
        <a href="index.html" class="logo">Subesh<span>.dev</span></a>
        <ul class="nav-links">
          <li><a href="index.html">Home</a></li>
          <li><a href="about.html">About</a></li>
          <li><a href="contact.html" class="active">Contact</a></li>
        </ul>
      </div>
    </nav>

    <main class="container single-post">
      <div class="post-header">
        <h1>Contact Us</h1>
```

```

        <p class="post-meta">
            Get in touch for academic or project discussions
        </p>
    </div>

    <div class="post-body">
        <p><strong>Name:</strong> Subesh Yadav</p>
        <p><strong>Email:</strong> subesh@gmail.com</p>
        <p><strong>Department:</strong> Computer Engineering</p>
        <p><strong>College:</strong> Pulchowk Campus</p>
    </div>
</main>

<footer class="blog-footer">
    <p>&copy; 2025 Subesh Yadav</p>
</footer>
</body>
</html>

```

Posts.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>Post | Subesh's Tech Blog</title>
        <link rel="stylesheet" href="style.css" />
    </head>
    <body>
        <nav class="navbar">
            <div class="container">
                <a href="index.html" class="logo">Subesh<span>.dev</span></a>
                <ul class="nav-links">
                    <li><a href="index.html">Home</a></li>
                    <li><a href="about.html">About</a></li>
                    <li><a href="contact.html">Contact</a></li>
                </ul>
            </div>
        </nav>

        <main class="container single-post">
            <div class="post-header">
                <h1 id="post-title"></h1>
                <p class="post-meta" id="post-category"></p>
            </div>

```

```

    <div class="post-body" id="post-content"></div>
</main>

<footer class="blog-footer">
  <p>&copy; 2025 Subesh Yadav</p>
</footer>

<script>
  const posts = {
    1: {
      title: "Understanding HTML & CSS Fundamentals",
      category: "Web Development",
      content: `
        <p>
          HTML and CSS form the foundation of modern web development.
          HTML defines the structure of a webpage, while CSS is responsible
          for styling, layout, and responsiveness.
        </p>
        <h2>Why HTML Matters</h2>
        <p>
          HTML uses semantic tags such as header, nav, article, and footer
          to improve accessibility and maintainability.
        </p>
        <blockquote>
          Well-structured HTML makes styling and scaling easier.
        </blockquote>
      `,
    },
    2: {
      title: "Introduction to JavaScript Logic",
      category: "Programming",
      content: `
        <p>
          JavaScript enables interactivity on the web by allowing developers
          to manipulate data, respond to user actions, and control application flow.
        </p>
        <h2>Core Concepts</h2>
        <p>
          Variables store data, conditions make decisions, and loops handle
          repetition.
        </p>
        <blockquote>
          Logic is the backbone of every interactive application.
        </blockquote>
      `,
    },
  },

```

```

    },
    3: {
      title: "Basics of Computer Networks",
      category: "Computer Engineering",
      content: `
        <p>
          Computer networks allow devices to communicate and share data.
          They are essential for internet communication and distributed systems.
        </p>
        <h2>Networking Types</h2>
        <p>
          LAN connects local devices, while WAN connects systems across cities or
countries.
        </p>
        <blockquote>
          Networking is the invisible infrastructure of the digital world.
        </blockquote>
      `
    }
  };

  const params = new URLSearchParams(window.location.search);
  const postId = params.get("id");

  if (posts[postId]) {
    document.getElementById("post-title").innerText = posts[postId].title;
    document.getElementById("post-category").innerText = posts[postId].category;
    document.getElementById("post-content").innerHTML = posts[postId].content;
  } else {
    document.getElementById("post-title").innerText = "Post Not Found";
    document.getElementById("post-content").innerHTML = "<p>The requested
article does not exist.</p>";
  }
</script>
</body>
</html>

```

Css

```

:root {
  --primary: #1e40af;
  --dark: #0f172a;
  --text: #334155;
  --light-gray:

```



```
    #f1f5f9;
    --white: #ffffff;
}

body {
    font-family: 'Inter', sans-serif;
    margin: 0;
    line-height: 1.6;
    color: var(--text);
    background-color: var(--white);
}

.container {
    max-width: 1100px;
    margin: 0 auto;
    padding: 0 20px;
}

/* Navbar */
.navbar {
    background: var(--white);
    padding: 20px 0;
    border-bottom: 1px solid var(--light-gray);
    position: sticky;
    top: 0;
    z-index: 100;
}
```

```
.navbar .container {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}
```

```
.logo {  
  font-size: 1.5rem;  
  font-weight: 700;  
  text-decoration: none;  
  color: var(--dark);  
}
```

```
.logo span {  
  color: var(--primary);  
}
```

```
.nav-links {  
  list-style: none;  
  display:  
    flex;  
  gap: 30px;  
  margin: 0;  
}
```

```
.nav-links a {  
  text-decoration: none;  
  color:
```

```
    var(--text);  
    font-weight: 500;  
    transition: color 0.3s;  
}
```

```
.nav-links a:hover,  
.nav-links a.active {  
    color: var(--primary);  
}
```

```
/* Hero Section */
```

```
.blog-hero {  
    background-color: var(--light-gray);  
    padding: 80px 0;  
    text-align: center;  
    margin-bottom: 50px;  
}
```

```
.blog-hero h1 {  
    font-size: 2.5rem;  
    color: var(--dark);  
    margin-bottom: 10px;  
}
```

```
/* Grid System */
```

```
.post-grid {  
    display: grid;  
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
```

```
    gap: 30px;  
    margin-bottom: 60px;  
}
```

```
.post-card {  
    background: var(--white);  
    border: 1px solid var(--light-gray);  
    border-radius: 8px;  
    overflow: hidden;  
    transition: transform 0.3s;  
}
```

```
.post-card:hover {  
    transform: translateY(-5px);  
}
```

```
.post-img {  
    height:  
        180px;  
    width: 100%;  
}
```

```
.post-content {  
    padding: 25px;  
}
```

```
.category {  
    font-size:
```

```
    0.75rem;  
    font-weight: 700;  
    text-transform: uppercase;  
    color: var(--primary);  
    display: block;  
    margin-bottom: 10px;  
}
```

```
.post-content h3 {  
    margin: 0 0 10px 0;  
    color: var(--dark);  
}
```

```
.read-more {  
    text-decoration: none;  
    color: var(--primary);  
    font-weight: 600;  
    font-size: 0.9rem;  
}
```

```
/* Single Post Page */
```

```
.single-post {  
    max-width: 800px;  
    padding-top: 60px;  
}
```

```
.post-header {  
    text-align: center;
```

```
margin-bottom: 40px;
}
```

```
.post-meta {
  font-size: 0.9rem;
  color: #94a3b8;
  margin-top: 10px;
}
```

```
.post-body h2 {
  margin-top: 40px;
  color: var(--dark);
}
```

```
blockquote {
  border-left: 4px solid var(--primary);
  padding-left: 20px;
  font-style: italic;
  font-size: 1.2rem;
  color: var(--dark);
  margin: 30px 0;
}
```

```
.blog-footer {
  text-align: center;
  padding: 40px 0;
  border-top: 1px solid var(--light-gray);
  font-size: 0.9rem;
```

```
}
```

```
/* Mobile */
```

```
@media (max-width: 600px) {
```

```
  .nav-links {
```

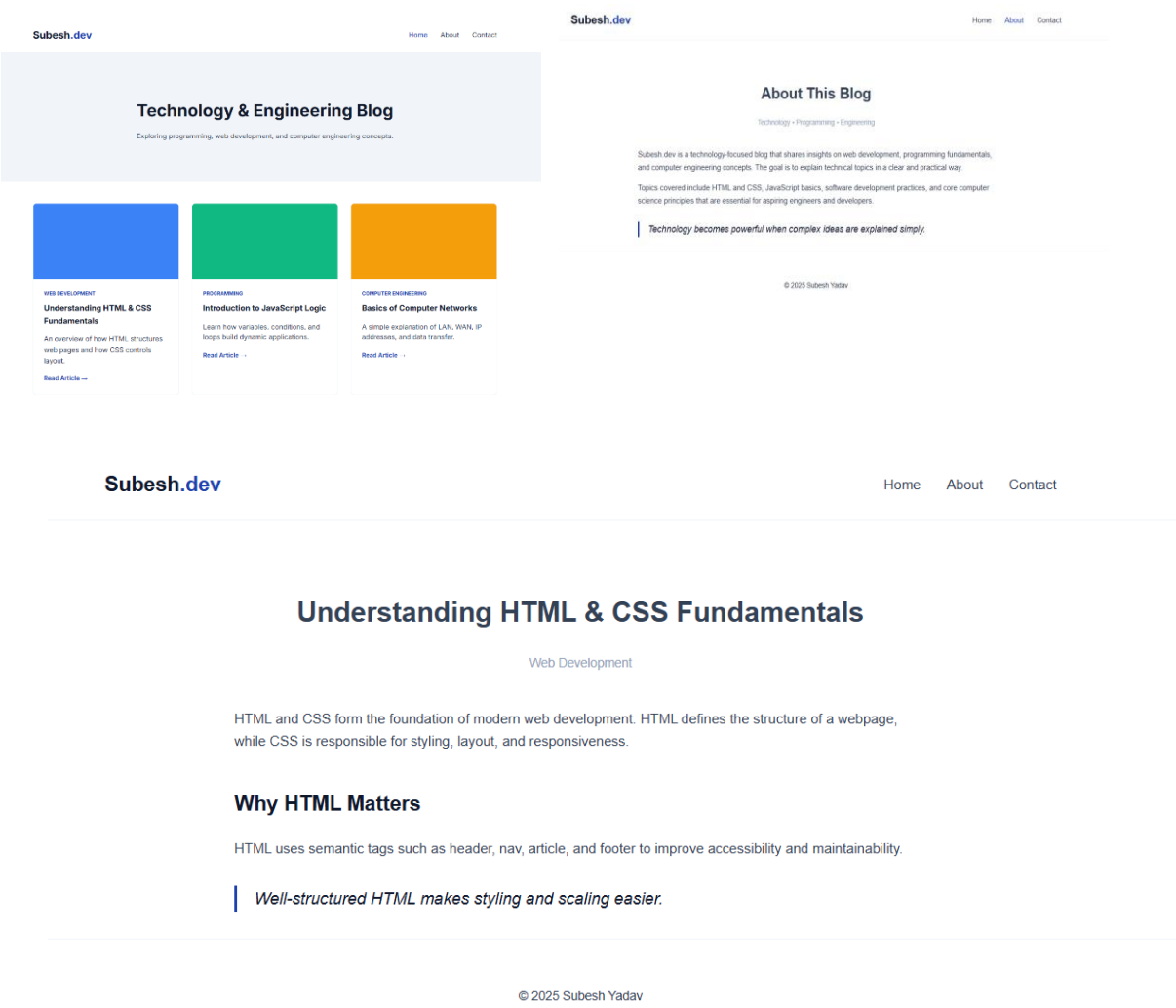
```
    display: none;
```

```
  }
```

```
}
```

```
}
```

Output:



Conclusion:

In this lab, we focused on the fundamentals of web development, specifically through creating a simple, responsive web page using HTML5 and CSS3. By designing a clean layout with a structured header, main content area, and footer, we were able to apply core concepts such as semantic HTML and responsive design principles. The project demonstrated the power of basic web technologies in building modern, visually appealing websites that adapt to different screen sizes. This lab provided a solid foundation for further exploring more advanced topics like CSS styling, JavaScript, and dynamic web applications.