TASK1: FULL STACK / JAVA FULL STACK DEVELOPMENT.

INTRODUCTION:

HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) are fundamental technologies for building websites and web applications.

HTML:

- Used for structuring and organizing content on the web

- Composed of elements (tags) that define different types of content, such as headings, paragraphs, images, links, forms, tables, and more

- Provides the backbone of a website, giving it meaning and structure

CSS:

- Used for styling and layout of web pages

- Controls the visual appearance of elements, including colors, fonts, spacing, and positioning

- Can be used to create responsive designs that adapt to different screen sizes and devices

➔ CODING IN HTML ....

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8" />
 <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
 <title>Landing Page</title>
 <link rel="stylesheet" href="styles.css" />
</head>
<body>

 <!-- Header -->
 <header>
  <div class="logo">MyBrand</div>
  <nav>
   <ul class="nav-links">
    <li><a href="#">Home</a></li>
    <li class="dropdown">
     <a href="#">Features</a>
     <ul class="dropdown-menu">
      <li><a href="#">Feature 1</a></li>
      <li><a href="#">Feature 2</a></li>
     </ul>
    </li>
    <li class="dropdown">
     <a href="#">Services</a>
     <ul class="dropdown-menu">
```

```html
        <li><a href="#">Service A</a></li>
        <li><a href="#">Service B</a></li>
      </ul>
    </li>
    <li><a href="#">Contact</a></li>
  </ul>
 </nav>
</header>

<!-- Hero Section -->
<section class="hero">
 <h1>Welcome to MyBrand</h1>
 <p>Your solution for modern web experiences.</p>
 <a href="#" class="cta-button">Get Started</a>
</section>

<!-- Features Section -->
<section class="features">
 <h2>Key Features</h2>
 <div class="feature-grid">
  <div class="feature-item">
   <h3>Fast Performance</h3>
   <p>Optimized for speed and efficiency.</p>
  </div>
  <div class="feature-item">
   <h3>Responsive Design</h3>
   <p>Looks great on all devices.</p>
  </div>
  <div class="feature-item">
   <h3>Secure Platform</h3>
```

```html
        <p>Built with security in mind.</p>
      </div>
    </div>
  </section>

  <!-- Footer -->
  <footer>
   <p>&copy; 2025 MyBrand. All rights reserved.</p>
   <div class="footer-links">
    <a href="#">Privacy Policy</a>
    <a href="#">Terms of Service</a>
   </div>
  </footer>

</body>
</html>
```

➔ CODING IN CSS............

```css
/* Reset & Base Styles */
* {
 margin: 0;
 padding: 0;
 box-sizing: border-box;
}
body {
 font-family: 'Segoe UI', sans-serif;
 line-height: 1.6;
 color: #333;
 background-color: #f9f9f9;
```

```css
}

/* Header */
header {
  display: flex;
  justify-content: space-between;
  align-items: center;
  background-color: #004080;
  padding: 1rem 2rem;
  color: white;
}
.logo {
  font-size: 1.5rem;
  font-weight: bold;
}
.nav-links {
  list-style: none;
  display: flex;
  gap: 1.5rem;
}
.nav-links li {
  position: relative;
}
.nav-links a {
  color: white;
  text-decoration: none;
  padding: 0.5rem;
}
.nav-links a:hover {
  background-color: #0059b3;
```

```css
    border-radius: 4px;
}

/* Dropdown */
.dropdown-menu {
  position: absolute;
  top: 100%;
  left: 0;
  background-color: #0059b3;
  display: none;
  flex-direction: column;
  min-width: 150px;
}
.dropdown-menu li a {
  padding: 0.5rem 1rem;
  display: block;
}
.dropdown:hover .dropdown-menu {
  display: flex;
}

/* Hero Section */
.hero {
  background: url('https://via.placeholder.com/1200x400')
center/cover no-repeat;
  text-align: center;
  padding: 5rem 2rem;
  color: white;
  background-color: #333;
}
```

```css
.hero h1 {
  font-size: 3rem;
}
.hero p {
  font-size: 1.2rem;
  margin: 1rem 0;
}
.cta-button {
  background-color: #ff6600;
  color: white;
  padding: 0.75rem 1.5rem;
  text-decoration: none;
  border-radius: 5px;
}
.cta-button:hover {
  background-color: #e65c00;
}

/* Features Section */
.features {
  padding: 3rem 2rem;
  background-color: #fff;
}
.features h2 {
  text-align: center;
  margin-bottom: 2rem;
}
.feature-grid {
  display: flex;
  gap: 2rem;
```

```css
  flex-wrap: wrap;
  justify-content: center;
}
.feature-item {
  background-color: #f0f0f0;
  padding: 1.5rem;
  border-radius: 8px;
  width: 250px;
  text-align: center;
}

/* Footer */
footer {
  background-color: #004080;
  color: white;
  text-align: center;
  padding: 1rem 2rem;
}
.footer-links {
  margin-top: 0.5rem;
}
.footer-links a {
  color: #ccc;
  margin: 0 0.5rem;
  text-decoration: none;
}
.footer-links a:hover {
  color: white;
}
```

```css
/* Responsive Design */
@media (max-width: 768px) {
  .nav-links {
    flex-direction: column;
    gap: 0.5rem;
  }
  .feature-grid {
    flex-direction: column;
    align-items: center;
  }
  .hero h1 {
    font-size: 2rem;
  }
}
```