**Lab # 11:**

**Lab Title:**

**“Introduction To HTML”**

**Lab Objectives:**

* Learn the basics of HTML
* Create a basic webpage with the help of HTML

**Introduction:**

HTML, or HyperText Markup Language, is the cornerstone of web development. It's the language used to structure and organize content on the internet. This lab aims to familiarize you with the fundamental elements of HTML, such as tags, attributes, and their roles in defining the structure of a webpage.

You'll start by learning how to create the basic structure of an HTML document, including essential elements like <html>, <head>, and <body>. From there, we will explore various HTML tags used to format text, create headings, paragraphs, lists, links, and insert images.

**Task:**

Create a basic webpage with HTML

**HTML Code:**

|  |
| --- |
| <!DOCTYPE html> <!-- Declares the document type and version of HTML being used -->  <html lang="en"> <!-- Begins the HTML document and specifies the language -->  <head>  <meta charset="UTF-8"> <!-- Sets the character encoding for the document -->  <title>Sample Website</title> <!-- Sets the title of the webpage -->  <style>  body {  font-family: Arial, sans-serif; /\* Sets the font family for the entire page \*/  margin: 0; /\* Removes default margin \*/  padding: 0; /\* Removes default padding \*/  }  /\* Styles for the header \*/  header {  background-color: #333; /\* Sets background color \*/  color: #fff; /\* Sets text color \*/  padding: 10px; /\* Adds padding \*/  text-align: center; /\* Centers the text \*/  }  /\* Styles for the navigation \*/  nav {  background-color: #f4f4f4; /\* Sets background color \*/  padding: 10px; /\* Adds padding \*/  }  nav ul {  list-style: none; /\* Removes default list styles \*/  margin: 0; /\* Removes default margin \*/  padding: 0; /\* Removes default padding \*/  text-align: center; /\* Centers the list items \*/  }  nav ul li {  display: inline; /\* Displays list items inline \*/  margin-right: 20px; /\* Adds spacing between list items \*/  }  /\* Styles for the main section \*/  section {  padding: 20px; /\* Adds padding \*/  margin: 20px; /\* Adds margin \*/  }  /\* Styles for the footer \*/  footer {  background-color: #333; /\* Sets background color \*/  color: #fff; /\* Sets text color \*/  text-align: center; /\* Centers the text \*/  padding: 10px; /\* Adds padding \*/  position: absolute; /\* Positions the footer \*/  bottom: 0; /\* Aligns the footer to the bottom of the page \*/  width: 100%; /\* Sets the width to 100% \*/  }  </style>  </head>  <body>  <header>  <h1>Sample Website</h1> <!-- Displays the main heading -->  </header>  <nav>  <ul>  <!-- Navigation links -->  <li><a href="#">Home</a></li>  <li><a href="#">About</a></li>  <li><a href="#">Services</a></li>  <li><a href="#">Contact</a></li>  </ul>  </nav>  <section>  <h2>Welcome to our website!</h2>  <p>This is a sample section of the webpage.</p>  </section>  <footer>  <p>&copy; 2023 Sample Website. All rights reserved.</p> <!-- Footer content -->  </footer>  </body>  </html> |

**Output:**

