**Experiment 5 Documentation**

**Experiment Title: Implementing Event Handling in HTML**

**1. Problem Statement**

**Create an HTML page with a button that displays a message when clicked. The purpose is to understand basic event handling in HTML using JavaScript.**

**2. Steps and Explanation**

1. **Setting Up HTML Structure**
   * **Begin with the basic HTML tags: <!DOCTYPE html>, <html>, <head>, and <body>.**
   * **Include a <title> tag in the <head> section to set the page's title to "Event Handling."**
2. **Adding JavaScript for Event Handling**
   * **Inside the <head> section, add a <script> tag to include JavaScript code.**
   * **Define a function showMessage() within the <script> that will execute when called.**
   * **Use alert("Button clicked!") in the function to display a message box when the button is clicked.**
3. **Creating the Button with Event Binding**
   * **Inside the <body>, add a heading <h1>Event Handling</h1> to label the page.**
   * **Create a button with the <button> tag and attach an onclick event attribute.**
   * **Set onclick="showMessage()" to call the showMessage function whenever the button is clicked.**

**3. Expected Output**

* **The webpage displays a heading titled "Event Handling" and a button labeled "Click Me."**
* **When the user clicks the button, an alert box appears with the message "Button clicked!"**

