**Week 1**

**Task**

The purpose of this assignment is to assess your understanding of fundamental concepts in programming and web development. This includes basic programming constructs, HTML structure, CSS styling, and JavaScript functionality. You are expected to create a basic webpage and apply programming concepts to demonstrate your learning.

**1. Variables and Data Types (5 Marks):**

Write the code and explain what each line does:

a) In JavaScript, declare a variable x and assign the value 10 to it.

b) Then, declare another variable y with the value "Hello" and concatenate both values, storing the result in a new variable result.

c) Finally, print the result to the console using console.log.

**2. Control Flow (5 Marks):**

Write the code and explain how the if-else statement works in your program.

a) Write a JavaScript program that checks if a number is even or odd.

b) If the number is even, print "Even" to the console.

c) If the number is odd, print "Odd" to the console.

**3. Functions (5 Marks):**

Write the code and explain how functions help in reusing code.

a) Write a function in JavaScript named greetUser that takes a parameter name.

b) The function should print "Hello, [name]!" to the console. Call the function three times with different names (e.g., Alice, Bob, Charlie).

**4. HTML (5 Marks):**

Create a basic webpage using HTML that contains the following:

a) A title for the webpage.

b) A heading (e.g., <h1>) with the text: "Welcome to My Webpage".

c) A paragraph (<p>) with some content explaining the purpose of the webpage.

d) An unordered list (<ul>) with at least 3 list items (e.g., favourite hobbies, goals, etc.).

**Assessment Criteria**

Your submission will be assessed based on the rubrics on this page.

**Submission Instructions**

* Complete each task:  
  Task1 (Variables and Data Types)  
  Task2 (Control Flow)  
  Task3 (Functions)  
  Task4 (HTML)
* You may submit your work in any format that clearly shows completion of each task — e.g., code files, screenshots, or documentation — as long as all requirements in the rubric are covered.
* Once all required files are saved, zip the entire folder.
* The final zipped file should be named Module 1\_Week 1\_Required Assignment\_[Your last name]

To submit your response:

* Click on the **Start Assignment** button at the top of this page to make your submission.
* Upload the files.
* Click on **Submit Assignment**.

Your submission will be considered complete when it meets these criteria:

* Includes all the critical elements outlined in the activity instructions and assessment criteria.
* Adheres to the submission guidelines.
* Is submitted on time.