CPAN 113 FUNDAMENTALS OF JAVASCRIPT  
LAB 2: STATEMENTS IN JAVASCRIPT

# OBJECTIVES

1. Understand the use of various control flow statements in JavaScript.
2. Learn to implement loops and conditional statements.
3. Explore the use of break and continue statements for loop control.

# INSTRUCTIONS

Complete the following tasks. Each task should be written and tested in a JavaScript file (e.g., lab2.js).

# TASK 1 CONDITIONAL STATEMENTS

1. Write an if statement to check if a number **x** is positive, negative, or zero and print the result.
2. Write a switch statement to print the grade description for a variable **grade** with values A, B, C, D, and F.

# TASK 2 LOOP STATEMENTS

1. Write a while loop that prints numbers from 1 to 10.
2. Write a do-while loop that prints the first 5 multiples of 3.
3. Write a for loop to iterate over an array **colors** and print each color.

# TASK 3 ITERATION STATEMENTS

1. Write a for-in loop to iterate over an object **person** and print each property and value.
2. Write a for-of loop to iterate over an array **grades** and print each grade.

# TASK 4 BREAK AND CONTINUE STATEMENTS

1. Write a loop that prints numbers from 1 to 10, but breaks the loop when the number is equal to 5.
2. Write a loop that iterates over an array of numbers and prints only the even numbers, skipping the odd ones using **continue**.

# SUBMISSION

1. Ensure your code is saved in a file named lab2.js.
2. Test your code by running it in a JavaScript environment (e.g., browser console or Node.js).
3. Submit your lab2.js file via the course submission portal.
4. Attach a screenshot of the output along with the original code file.