

COMP1000: Software Engineering 1

C1W1 - Exercise 2

Assessment Criteria:

- **Correctness:** Your code should perform the specified task correctly.
- **Syntax:** Your code should be free of syntax errors and compile without issues.
- **Clarity:** Your code should be well-organized and include comments where appropriate to explain the logic.

Deadline:

- Submission must be made with other exercises before the deadline through the “C1W1 – Set Exercises” submission point on DLE. Late submissions will not be accepted without prior approval.

Honor Code:

- This assessment is to be completed individually. You must **not** collaborate with other students or use prohibited materials. All submitted work must be your own.

Assessment Tasks:

Task 1: Using if-else Statements (3 Points)

Task Description:

- Write a C++ program to check if a number is even or odd.
- The program should prompt the user to enter an integer.
- It should then use an if-else statement to print whether the number is even or odd.

Task 2: Switch Case for Days of the Week (4 Points)

Task Description:

- Write a C++ program that uses a switch case to display days of the week.
- The program should prompt the user to enter a number (1 to 7).
- Depending on the number entered, the program should print the corresponding day of the week, where 1 is Sunday, 2 is Monday, etc.

Task 3: Array Initialization and Access (3 Points)

Task Description:

- Write a C++ program to declare an integer array of size 5.
- Initialize the array with the values 5, 10, 15, 20, and 25.
- Access and print the third element in the array.