



THE UNIVERSITY  
OF THE  
WEST INDIES

# OBJECT ORIENTED PROGRAMMING 1

## Lab 1 Feedback Report

Student: 816021591

### Lab 1 Part 1 tests:

- ✓ Class HelloWorld exists in the project.
- ✓ Method main(String[] args) exists and is correctly defined as public and static.
- ✓ Output matches expected interaction.

### Lab 2 Part 2 tests:

- ✓ The class 'Lab1PartTwo' exists and is properly accessible. This ensures the base structure is correct.
- ✓ exercise1 executed successfully.
  - The program produced the expected behavior.
  - Logical flow: The method properly formatted the output, handled input (if any), and adhered to the specifications.
  - Validation: The expected result matches the method's output after normalization of spaces and case.
- ✓ exercise2 executed successfully.
  - The program produced the expected behavior.
  - Logical flow: The method properly formatted the output, handled input (if any), and adhered to the specifications.
  - Validation: The expected result matches the method's output after normalization of spaces and case.
- ✗ exercise3 output mismatch.
  - Expected:  
my name is englebert
  - Actual:  
my name is student joe
  - Suggestions:
    - Check string formatting (extra spaces or newlines).
    - Verify output matches exactly, including punctuation.
- ✓ exercise4 executed successfully.
  - The program produced the expected behavior.
  - Logical flow: The method properly formatted the output, handled input (if any), and adhered to

the specifications.

- Validation: The expected result matches the method's output after normalization of spaces and case.

✔ exercise5 executed successfully.

- The program produced the expected behavior.
- Logical flow: The method properly formatted the output, handled input (if any), and adhered to the specifications.

- Validation: The expected result matches the method's output after normalization of spaces and case.

✔ exercise6 executed successfully.

- The program produced the expected behavior.
- Logical flow: The method properly formatted the output, handled input (if any), and adhered to the specifications.
- Validation: The expected result matches the method's output after normalization of spaces and case.

### Lab 3 Part 3 tests:

✔ The class 'Lab1PartThree' exists, which indicates the foundational structure is correct.

✔ Methods 'exercise1()', 'exercise2()', 'exercise3()', and 'exercise4()' are present in the 'Lab1PartThree' class.

- These methods are necessary for fulfilling the exercise requirements.

✔ Exercise 1 successfully calculates the area of a circle given a radius.

- Input Validation: The program correctly handled the user input for radius.

- Calculation: The area was calculated using the correct formula:  $r^2$ .

- Formatting: The output is well-structured and readable.

✔ Exercise 2 correctly lists all even numbers from 1 to n.

- Input Validation: The program successfully accepted the upper limit as input.

- Logic: The program correctly iterated through the range and identified even numbers.

- Output Formatting: The output is concise and matches the expected structure.

✔ Exercise 3 generates a valid random multiplication question and computes the product correctly.

- Question format: 'What is the product of <num1> and <num2>?'

- Numbers: 638, 946

- Correct Answer: 603548

✔ Exercise 4 simulates a chat correctly, responds appropriately, and terminates on 'exit'.