THE UNIVERSITY OF THE WEST INDIES

OBJECT ORIENTED PROGRAMMING 1

Lab 1 Feedback Report

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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: 192, 708
- Correct Answer: 135936
✅ Exercise 4 simulates a chat correctly, responds appropriately, and terminates on 'exit'.