



THE UNIVERSITY
OF THE
WEST INDIES

OBJECT ORIENTED PROGRAMMING 1

Lab 3 Feedback Report

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Lab 3 Part 1 tests:

=== Test: Fields and Modifiers ===

- ✓ 'plateID' field is declared correctly (private String).
- ✓ 'plateNumberCounter' field is declared correctly (private static int).
- ✓ 'vehicleClassification' field is declared correctly (private int).

=== Test: 3-Arg Constructor ===

- ✓ 3-arg constructor correctly computed tankCapacity (24).
- ✓ 3-arg constructor sets correct fuelType ('gasoline').

=== Test: 4-Arg Constructor ===

- ✓ 4-arg constructor correctly computed tankCapacity (210).
- ✗ 4-Arg constructor not found: Vehicle.getVehicleClassification()

=== Test: toString Method ===

- ✗ toString() does not contain expected details. Got:

VEHICLE TANK CAPACITY: 24 FUEL TYPE: gasoline PLATE ID: TAB03 Light Motor Vehicle

=== Test: Vehicle Classification ===

- ✗ Error testing classification: Vehicle.getVehicleClassification()

=== Test: equals(Object) ===

- ✓ A vehicle equals itself.
- ✓ Two distinct vehicles have different plateIDs => equals returned false.

Lab 3 Part 2 tests:

=== Test: Fields and Modifiers ===

- ✓ 'name' field is correctly declared (private String).
- ✓ 'vehicle1' field is correctly declared (private Vehicle).
- ✓ 'vehicle2' field is correctly declared (private Vehicle).

=== Test: Constructor ===

- ✓ Constructor correctly assigns the name.
- ✓ Constructor correctly initializes vehicle1 and vehicle2 to null.

=== Test: getName() ===

- ✓ getName() returns correct name.

=== Test: addVehicle() ===

- ✓ addVehicle() correctly assigns vehicles.

=== Test: canDrive() ===

✖ Error: Could not test canDrive(). VehicleDriver.canDrive(Vehicle)

Lab 3 Part 3 tests:

=== Test: Methods in StationSimulation ===

✔ getRandomNumber(int, int) method exists and returns int.

✔ main(String[] args) method exists.

=== Test: Random Number Generation ===

✔ getRandomNumber(int, int) correctly generates numbers within range.

=== Test: Simulation Behavior ===

✔ Driver 'Lou' correctly assigned 2 vehicles.

✔ Driver 'Sue' correctly assigned 2 vehicles.

✔ Driver 'Drew' correctly assigned 2 vehicles.

✔ Driver 'Koo' correctly assigned 2 vehicles.

✔ Driver 'Murphy' correctly assigned 2 vehicles.