OBJECT ORIENTED PROGRAMMING 1
Lab 3 Feedback Report
Student: 816039335

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 sets correct vehicleClassification (1).

=== Test: toString Method ===

❌ toString() does not contain expected details. Got:

   VEHICLE TANK CAPACITY: 24 FUEL TYPE: gasolinePLATE ID: TAB03VEHICLE
CLASSIFICATION : 3

=== Test: Vehicle Classification ===

☑ classification=1 => Motorcycle as expected.

☑ classification=4 => Heavy Motor Vehicle as expected.

☑ classification=2 => defaulted to 3 as expected.

=== 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.