

REFLECTION ON CODE

How has your program changed from planning to coding to now? Please Explain?

I programmed my code to output the type of vehicle and its details such as make, model, year, fuel efficiency, and fuel type. Screenshot represents the output of the code.

Screenshot 1:

```
public static void main(String[] args)
{
    Car car = new Car("Toyota", "Camry", 2022, "Gasoline", 30.5, 4, false);
    Truck truck = new Truck("Ford", "F-150", 2021, "Diesel", 22.0, 2.5, true);
    Minivan minivan = new Minivan("Honda", "Odyssey", 2023, "Hybrid", 28.0, 8, true);

    System.out.println("Car details: " + car);
    car.start();
    car.accelerate();
    car.openTrunk();
    car.brake();
    car.stop();
    System.out.println();

    System.out.println("Truck details: " + truck);
    truck.start();
    truck.accelerate();
    truck.loadCargo();
    truck.brake();
    truck.stop();
    System.out.println();

    System.out.println("Minivan details: " + minivan);
    minivan.start();
    minivan.accelerate();
    minivan.openSlidingDoor();
    minivan.brake();
    minivan.stop();
}
```

Screenshot 2:

```
Car details: 2022 Toyota Camry (Gasoline) - 4 doors, Not convertible
The car's engine is starting.
The vehicle is accelerating.
The car's trunk is opening.
The vehicle is braking.
The car's engine is stopping.

Truck details: 2021 Ford F-150 (Diesel)Cargo capacity: 2.5 tons, Has tailgate
The truck's engine is starting.
The vehicle is accelerating.
Loading cargo into the truck.
The vehicle is braking.
The truck's engine is stopping.

Minivan details: 2023 Honda Odyssey (Hybrid) - Seats: 8, Has sliding doors
The minivan's engine is starting.
The vehicle is accelerating.
Opening the sliding door.
The vehicle is braking.
The minivan's engine is stopping.
```