Krishna Samirbhai Rao (N01687444)

Lab-4

Lab\_4.java

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package com.mycompany.lab\_4;

/\*\*

\*

\* @author krish

\*/

public class Lab\_4 {

public static void main(String[] args) {

Car myCar = new Car("BMW-M5 CS", "Mercedese AMG", 2024, "Black");

myCar.displayInfo();

myCar.displaySpeed();

myCar.start();

myCar.displaySpeed();

myCar.accelerate();

myCar.displaySpeed();

myCar.brake();

myCar.displaySpeed();

myCar.brake();

myCar.displaySpeed();

myCar.stop();

myCar.displayInfo();

myCar.displaySpeed();

myCar.honk();

}

}

Car.java

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\*/

package com.mycompany.lab\_4;

/\*\*

\*

\* @author krish

\*/

public class Car {

private String make;

private String model;

private int year;

private String color;

private int speed;

public Car(String make, String model, int year, String color) {

this.make = make;

this.model = model;

this.year = year;

this.color = color;

this.speed = 0;

}

public void accelerate() {

System.out.println("Car Accelerated");

speed += 20;

}

public void brake() {

System.out.println("Car Braked");

speed -= 10;

}

public void honk() {

System.out.println("!!Honk!!");

}

public void displayInfo() {

System.out.println("Make: " + make);

System.out.println("Model: " + model);

System.out.println("Year: " + year);

System.out.println("Color: " + color);

}

public void displaySpeed(){

System.out.println("Current Speed: " + speed);

}

public int getSpeed() {

return speed;

}

public void start() {

System.out.println("Car started.");

}

public void stop() {

System.out.println("Car stopped.");

}

}

A screenshot of a computer

Description automatically generatedA white screen with a blue and red text

Description automatically generated with medium confidence