Class Vehicle {

String brand;

String model;

Public Vehicle(String brand, String model) {

This.brand = brand;

This.model = model;

}

Void displayInfo() {

System.out.println(“Brand: “ + brand);

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

}

}

Class Car extends Vehicle {

Int numberOfDoors;

Public Car(String brand, String model, int numberOfDoors) {

Super(brand, model);

This.numberOfDoors = numberOfDoors;

}

Void displayCarInfo() {

displayInfo();

System.out.println(“Number of Doors: “ + numberOfDoors);

}

}

Class Motorcycle extends Vehicle {

Boolean hasFairing;

Public Motorcycle(String brand, String model, boolean hasFairing) {

Super(brand, model);

This.hasFairing = hasFairing;

}

Void displayMotorcycleInfo() {

displayInfo();

System.out.println(“Has Fairing: “ + hasFairing);

}

}

Public class Main {

Public static void main(String[] args) {

Car myCar = new Car(“Toyota”, “Camry”, 4);

Motorcycle myMotorcycle = new Motorcycle(“Honda”, “CBR1000RR”, true);

System.out.println(“Car Information:”);

myCar.displayCarInfo();

System.out.println(“\nMotorcycle Information:”);

myMotorcycle.displayMotorcycleInfo();

}

}