JAVA:

```
class Vehicle {
  protected String brand;
  protected String model;
  public Vehicle(String brand, String model) {
     this.brand = brand;
     this.model = model;
  public void drive() {
     System.out.println("Driving " + brand + " " + model);
  }
}
// Car class inherits from Vehicle
class Car extends Vehicle {
  public Car(String brand, String model) {
     super(brand, model);
  }
  public void honk() {
     System.out.println("Honking the horn of " + brand + " " + model);
}
// Bike class inherits from Vehicle
class Bike extends Vehicle {
  public Bike(String brand, String model) {
     super(brand, model);
```

```
}
  public void ringBell() {
     System.out.println("Ringing the bell of " + brand + " " + model);
  }
}
// Customer class has-a Vehicle
class Customer {
  private Vehicle vehicle;
  public Customer(Vehicle vehicle) {
     this.vehicle = vehicle;
  }
  public void driveVehicle() {
     vehicle.drive();
public class Main {
  public static void main(String[] args) {
     Car myCar = new Car("Toyota", "Camry");
     Bike myBike = new Bike("Giant", "Escape");
     Customer carOwner = new Customer(myCar);
     Customer bikeOwner = new Customer(myBike);
     carOwner.driveVehicle(); // Customer driving the car
     myCar.honk(); // Car honking the horn
     bikeOwner.driveVehicle(); // Customer driving the bike
     myBike.ringBell(); // Bike ringing the bell
```

```
}
```

JAVASCRIPT:

```
class Vehicle {
  constructor(brand, model) {
     this.brand = brand;
     this.model = model;
  drive() {
     console.log(`Driving ${this.brand} ${this.model}`);
}
// Car class inherits from Vehicle
class Car extends Vehicle {
  honk() {
     console.log(`Honking the horn of ${this.brand} ${this.model}`);
}
// Bike class inherits from Vehicle
class Bike extends Vehicle {
  ringBell() {
     console.log('Ringing the bell of ${this.brand} ${this.model}');
}
// Customer class has-a Vehicle
```

```
class Customer {
  constructor(vehicle) {
     this.vehicle = vehicle;
  driveVehicle() {
     this.vehicle.drive();
}
// Example usage
const myCar = new Car("Toyota", "Camry");
const myBike = new Bike("Giant", "Escape");
const carOwner = new Customer(myCar);
const bikeOwner = new Customer(myBike);
carOwner.driveVehicle(); // Customer driving the car
myCar.honk(); // Car honking the horn
bikeOwner.driveVehicle(); // Customer driving the bike
myBike.ringBell(); // Bike ringing the bell
```

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