**public class Light { 5%**

**public Light() {}**

**public void on() {**

**System.out.println("Light is on");**

**}**

**public void off() {**

**System.out.println("Light is off");**

**}**

**}**

**public class GarageDoor {**

**public GarageDoor() {}**

**public void up() {**

**System.out.println("Garage Door is Open");**

**}**

**public void down() {**

**System.out.println("Garage Door is Closed");**

**}**

**public void stop() {**

**System.out.println("Garage Door is Stopped");**

**}**

**public void lightOn() {**

**System.out.println("Garage light is on");**

**}**

**public void lightOff() {**

**System.out.println("Garage light is off");**

**}**

**public void Off() {**

**System.out.println("Garage Door is off");**

**}**

**}**

**public interface Command {**

**public void execute();**

**}**

**public class GarageDoorOpenCommand implements Command {**

**//Have its suitable receiver**

**GarageDoor garageDoor;**

**//Specify the Constructor**

**public GarageDoorOpenCommand (GarageDoor garageDoor) {**

**this.garageDoor = garageDoor;**

**}**

**//Execute the garageDoor.up() function**

**@Override**

**public void execute() {**

**// TODO Auto-generated method stub**

**garageDoor.up();**

**}**

**}**

**//Then describe the LightOnCommand implements Command**

**public class LightOnCommand implements Command {**

**Light light;**

**public LightOnCommand (Light light) {**

**this.light = light;**

**}**

**@Override**

**public void execute() {**

**// TODO Auto-generated method stub**

**light.on();**

**}**

**}**

**public class SimpleRemoteControl {**

**Command slot;**

**public SimpleRemoteControl() {}**

**//Describe the important function of the invoker**

**public void setCommand(Command command) {**

**this.slot = command;**

**}**

**public void buttonWasPressed() {**

**slot.execute();**

**}**

**}**