SUPERSET ID-6413402

**Command Pattern**

// Command Interface

interface Command {

void execute();

}

// Receiver

class Light {

public void turnOn() {

System.out.println("Light is ON");

}

public void turnOff() {

System.out.println("Light is OFF");

}

}

// Concrete Commands

class LightOnCommand implements Command {

private Light light;

public LightOnCommand(Light light) {

this.light = light;

}

public void execute() {

light.turnOn();

}

}

class LightOffCommand implements Command {

private Light light;

public LightOffCommand(Light light) {

this.light = light;

}

public void execute() {

light.turnOff();

}

}

// Invoker

class RemoteControl {

private Command command;

public void setCommand(Command command) {

this.command = command;

}

public void pressButton() {

command.execute();

}

}

// Test

public class TestCommand {

public static void main(String[] args) {

Light light = new Light();

Command onCommand = new LightOnCommand(light);

Command offCommand = new LightOffCommand(light);

RemoteControl remote = new RemoteControl();

remote.setCommand(onCommand);

remote.pressButton();

remote.setCommand(offCommand);

remote.pressButton();

}

}

**OUTPUT:**

Light is ON

Light is OFF

