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import java.util.Scanner;  
  
  
public class Main {  
  
 public static void main(String[] args) {  
  
 // membuat objek HP  
 Phone redmiNote8 = new Xiaomi();  
  
 // membuat objek user  
 PhoneUser dian = new PhoneUser(redmiNote8);  
  
 // kita coba nyalakan HP-nya  
 dian.turnOnThePhone();  
  
  
 // biar enak, kita buat dalam program  
 Scanner input = new Scanner(System.*in*);  
 String aksi;  
  
 while (true) {  
 System.*out*.println("=== APLIKASI INTERFACE ===");  
 System.*out*.println("[1] Nyalakan HP");  
 System.*out*.println("[2] Matikan HP");  
 System.*out*.println("[3] Perbesar Volume");  
 System.*out*.println("[4] Kecilkan Volume");  
 System.*out*.println("[0] Keluar");  
 System.*out*.println("--------------------------");  
 System.*out*.print("Pilih aksi> ");  
 aksi = input.nextLine();  
  
 if(aksi.equalsIgnoreCase("1")){  
 dian.turnOnThePhone();  
 } else if (aksi.equalsIgnoreCase("2")){  
 dian.turnOffThePhone();  
 } else if (aksi.equalsIgnoreCase("3")){  
 dian.makePhoneLouder();  
 } else if (aksi.equalsIgnoreCase("4")){  
 dian.makePhoneSilent();  
 } else if (aksi.equalsIgnoreCase("0")){  
 System.*exit*(0);  
 } else {  
 System.*out*.println("Kamu memilih aksi yang salah!");  
 }  
 }  
  
 }  
  
}

public class Xiaomi implements Phone {  
  
 private int volume;  
 private boolean isPowerOn;  
  
 public Xiaomi() {  
 // set volume awal  
 this.volume = 50;  
 }  
  
 @Override  
 public void powerOn() {  
 isPowerOn = true;  
 System.*out*.println("Handphone menyala...");  
 System.*out*.println("Selamat datang di XIAOMI");  
 System.*out*.println("Android version 29");  
 }  
  
 @Override  
 public void powerOff() {  
 isPowerOn = false;  
 System.*out*.println("Handphone dimatikan");  
 }  
  
 @Override  
 public void volumeUp() {  
 if (isPowerOn) {  
 if (this.volume == *MAX\_VOLUME*) {  
 System.*out*.println("Volume FULL!!");  
 System.*out*.println("sudah " + this.getVolume() + "%");  
 } else {  
 this.volume += 10;  
 System.*out*.println("Volume sekarang: " + this.getVolume());  
 }  
 } else {  
 System.*out*.println("Nyalakan dulu donk HP-nya!!");  
 }  
 }  
  
 @Override  
 public void volumeDown() {  
 if (isPowerOn) {  
 if (this.volume == *MIN\_VOLUME*) {  
 System.*out*.println("Volume = 0%");  
 } else {  
 this.volume -= 10;  
 System.*out*.println("Volume sekarang: " + this.getVolume());  
 }  
 } else {  
 System.*out*.println("Nyalakan dulu donk HP-nya!!");  
 }  
 }  
  
 public int getVolume() {  
 return this.volume;  
 }  
  
}

public class PhoneUser {  
  
 private Phone phone;  
  
 public PhoneUser(Phone phone) {  
 this.phone = phone;  
 }  
  
 void turnOnThePhone(){  
 this.phone.powerOn();  
 }  
  
 void turnOffThePhone(){  
 this.phone.powerOff();  
 }  
  
 void makePhoneLouder(){  
 this.phone.volumeUp();  
 }  
  
 void makePhoneSilent(){  
 this.phone.volumeDown();  
 }  
}

public interface Phone {  
 int *MAX\_VOLUME* = 100;  
 int *MIN\_VOLUME* = 0;  
  
 void powerOn();  
 void powerOff();  
 void volumeUp();  
 void volumeDown();  
}

TAMPILAN

