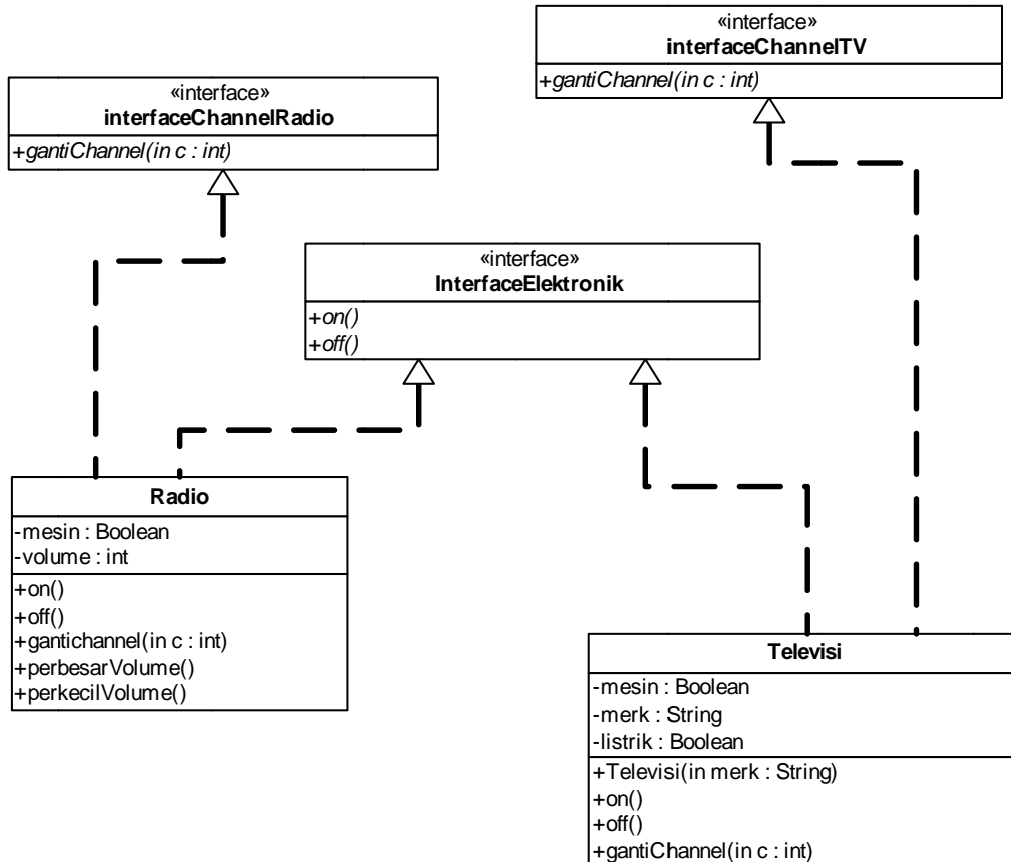


CONTOH INTERFACE LATIHAN 7.1

Implementasikan kelas diagram berikut kedalam bahasa pemrograman



Interface Name : InterfaceChannelRadio

```

public interface interfaceChannelRadio {

    String[] channel={"Gajah Mada FM", "Smart FM", "Buana FM", "DINUS FM"};
    public void gantiChannel(int c);

}
  
```

Interface Name : InterfaceChannelTV

```
public interface interfaceChannelTV {  
  
    String[] channel={"TVRI","RCTI","SCTV","INDOSIAR"};  
    public void gantiChannel(int c);  
  
}
```

Interface Name : InterfaceElektronik

```
public interface interfaceElektronik  
{  
    public void on();  
    public void off();  
}
```

Class Name : Radio

```
public class Radio implements interfaceElektronik, interfaceChannelRadio  
{  
    boolean mesin=false;  
  
    int volume=0;  
    public void on()  
    {  
        mesin=true;  
    }  
    public void off()  
    {  
        mesin=false;  
    }  
    public void gantiChannel(int c)  
    {  
        if(mesin)  
        {  
            System.out.println("Anda mendengarkan "+channel[c]);  
        }  
        else  
        {  
            System.out.println("Mesin Belum Nyala");  
        }  
    }  
}
```

```

public void perbesarVolume()
{
    volume++;
    System.out.println("Volume diperbesar ket tingkat "+volume+" ");
}
public void perkecilVolume()
{
    volume--;
    System.out.println("Volume diperkecil ket tingkat "+volume+" ");
}
}

```

Class Name : Televisi

```

public class Televisi implements interfaceElektronik, interfaceChannelTV{
    boolean mesin=false;
    String merk;
    boolean listrik=false;
    public Televisi(String merk)
    {
        this.merk=merk;
    }
    public void on()
    {
        listrik=true;
    }
    public void off()
    {
        listrik=false;
    }
    public void gantiChannel(int c)
    {
        if (listrik)
        {
            System.out.println("Anda Menyaksikan "+this.channel[c]);
        }
        else
        {
            System.out.println("Listrik Mati TV Tidak Nyala");
        }
    }
}

```

Class Name : UjiInterface

```
public class ujiInterface {  
  
    public static void main(String[] args)  
    {  
        Radio sony = new Radio();  
        sony.on();  
        sony.gantiChannel(2);  
  
        Televisi panasonic = new Televisi("panasonic");  
        panasonic.on();  
        panasonic.gantiChannel(2);  
        panasonic.off();  
    }  
}
```