

Slide 6

Code

```
src > J Televisi.java > ...
1 public class Televisi {
2     public String merek;
3     public int jumlahChannel;
4     private int channelAktif;
5
6     public Televisi() {
7         this.merek = "Tidak diketahui";
8         this.jumlahChannel = 0;
9         this.channelAktif = 1;
10    }
11
12    public void pindahChannel(int channelBaru) {
13        if (channelBaru > 0 && channelBaru <= jumlahChannel) {
14            channelAktif = channelBaru;
15            System.out.println("Channel berpindah ke: " + channelAktif);
16        } else {
17            System.out.println("Channel tidak tersedia!");
18        }
19    }
20
21    public int getChannelAktif() {
22        return channelAktif;
23    }
24 }

src > J TelevisiModern.java > ...
1 public class TelevisiModern extends Televisi {
2     private String modulTampilan;
3     private String dvd;
4
5     public TelevisiModern(String merk, int jumlahChannel) {
6         this.merek = merk;
7         this.jumlahChannel = jumlahChannel;
8         this.modulTampilan = "TV";
9         this.dvd = "";
10    }
11
12    public void gantiModulTampilan(String modul) {
13        this.modulTampilan = modul;
14        System.out.println("Modul tampilan diganti ke: " + modulTampilan);
15    }
16
17    public void masukkanDVD(String judulDVD) {
18        this.dvd = judulDVD;
19        System.out.println("DVD \"" + dvd + "\" dimasukkan.");
20    }
21
22    public void mainkanDVD() {
23        if (dvd.isEmpty()) {
24            System.out.println("Pemutar DVD: " + dvd);
25        } else {
26            System.out.println("Tidak ada DVD yang dimasukkan!");
27        }
28    }
29 }

src > J TestTelevisi.java > TestTelevisi
1 public class TestTelevisi {
2     Run[Debug]
3     public static void main(String[] args) {
4         TelevisiModern tv = new TelevisiModern(merk:"Samsung", jumlahChannel:100);
5         System.out.println("Channel aktif: " + tv.getChannelAktif());
6         tv.pindahChannel(channelBaru:20);
7         System.out.println("Channel aktif sekarang: " + tv.getChannelAktif());
8         tv.gantiModulTampilan(modul:"HDMI");
9         tv.mainkanDVD();
10        tv.masukkanDVD(judulDVD:"The Matrix");
11        tv.mainkanDVD();
12    }
13 }
```

Output

```
Channel aktif: 1
Channel berpindah ke: 20
Channel aktif sekarang: 20
Modul tampilan diganti ke: HDMI
Tidak ada DVD yang dimasukkan!
DVD "The Matrix" dimasukkan.
Memutar DVD: The Matrix
```