

```
public class Item
{
    private String title;
    private int playingTime;
    private boolean gotIt;
    private String comment;
    protected String media="unknown";

    Item(String theTitle)
    {
        title=theTitle;
    }

    void setComment(String newComment) //TO public PARALEIPETAI AFOY EINA
I TO DEFAULT
    {
        comment=newComment;
    }

    String getComment()
    {
        return comment;
    }

    void setPlayingTime(int minutes)
    {
        playingTime=minutes;
    }

    int getPlayingTime()
    {
        return playingTime;
    }

    void setGotIt(boolean possession)
    {
        gotIt=possession;
    }

    boolean getGotIt()
    {
        return gotIt;
    }

    void setTitle(String newTitle)
    {
        title=newTitle;
    }

    String getTitle()
    {
        return title;
    }
}
```

```
String getMedia()
{
    return media;
}

void print()
{
    System.out.println("\nTITLE: " + title + "\nTIME: "+ playingTime
+ "\nCOMMENT: "+ comment);
    if (gotIt)
        System.out.println("ANHKEI STH SYLLOGH");
    else
        System.out.println("DEN ANHKEI STH SYLLOGH");
    System.out.println("MESO APO8HKEYSHS: " + media);
}
}
```

```
public class Movie extends Item
{
    private String director;
    Movie(String theTitle, String theDirector)
    {
        super(theTitle);
        director=theDirector;
    }
    void print()
    {
        System.out.print("Movie: ");
        super.print();
        System.out.println("Director: " + director);
        System.out.println("Media-type: " +media);
        System.out.println();
        System.out.println("-----");
    }
}
```

```
public class DVD_Movie extends Movie
{
    public DVD_Movie(String theTitle, String theDirector)
    {
        super(theTitle, theDirector);
        media="DVD";
    }
}
```

```
public class VHS_Movie extends Movie
{
    public VHS_Movie(String theTitle, String theDirector)
    {
        super(theTitle, theDirector);
        media="DVD";
    }
}
```

```
public class Music extends Item
{
    private String artist;
    Music(String theTitle, String theArtist)
    {
        super(theTitle);
        artist=theArtist;
    }
    void print()
    {
        System.out.print("Music: ");
        super.print();
        System.out.println("Artist: " + artist);
        System.out.println("Media-type: " +media);
        System.out.println();
        System.out.println("-----");
    }
}
```

```
public class CD_Music extends Music
{
    public CD_Music(String theTitle, String theArtist)
    {
        super(theTitle, theArtist);
        media="CD";
    }
}
```

```
public class Cassette_Music extends Music
{
    public Cassette_Music(String theTitle, String theArtist)
    {
        super(theTitle, theArtist);
        media="Cassette";
    }
}
```



```
public class Database
{
    private Item[] db;
    private int itemCount;
    public Database()
    {
        db=new Item[4];
        itemCount=0;
    }

    public void add(Item newItem)
    {
        db[itemCount]=newItem;
        itemCount++;
    }

    public void list()
    {
        for(int i=0; i < itemCount; i++)
            db[i].print();
    }
} //Database
```

```
import java.util.ArrayList;
public class Database_Arraylist
{
    private ArrayList db;
    Database_Arraylist()
    {
        db=new ArrayList(4);
    }

    public void add(Item newItem)
    {
        db.add(newItem);
    }

    public void list()
    {
        System.out.println("\n===List of Items===");
        for (int i=0; i<db.size(); i++)
            ((Item)db.get(i)).print();
    }
}
```