

# Java – S03

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# Java – S03

Continut:

- ▶ Vectori
- ▶ Colectii
- ▶ Liste
- ▶ Arbori

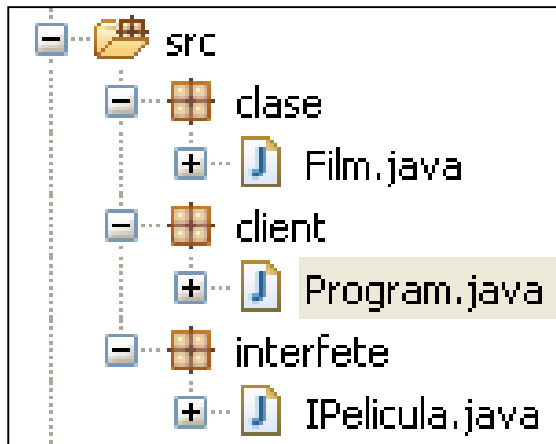
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```
public static void main(String[] args) {  
    String[] cuvinte=new String[3];  
  
    InputStreamReader input = new InputStreamReader(System.in)  
    BufferedReader bufferRead = new BufferedReader(input);  
    for(int i=0;i<3;i++){  
        try {  
            cuvinte[i] = bufferRead.readLine();  
        } catch (IOException e) {  
            // TODO Auto-generated catch block  
            e.printStackTrace();  
        }  
    }  
}
```

Dar și **Scanner** !

```
for(int i=0;i<3;i++){  
    System.out.println(cuvinte[i]);  
}
```

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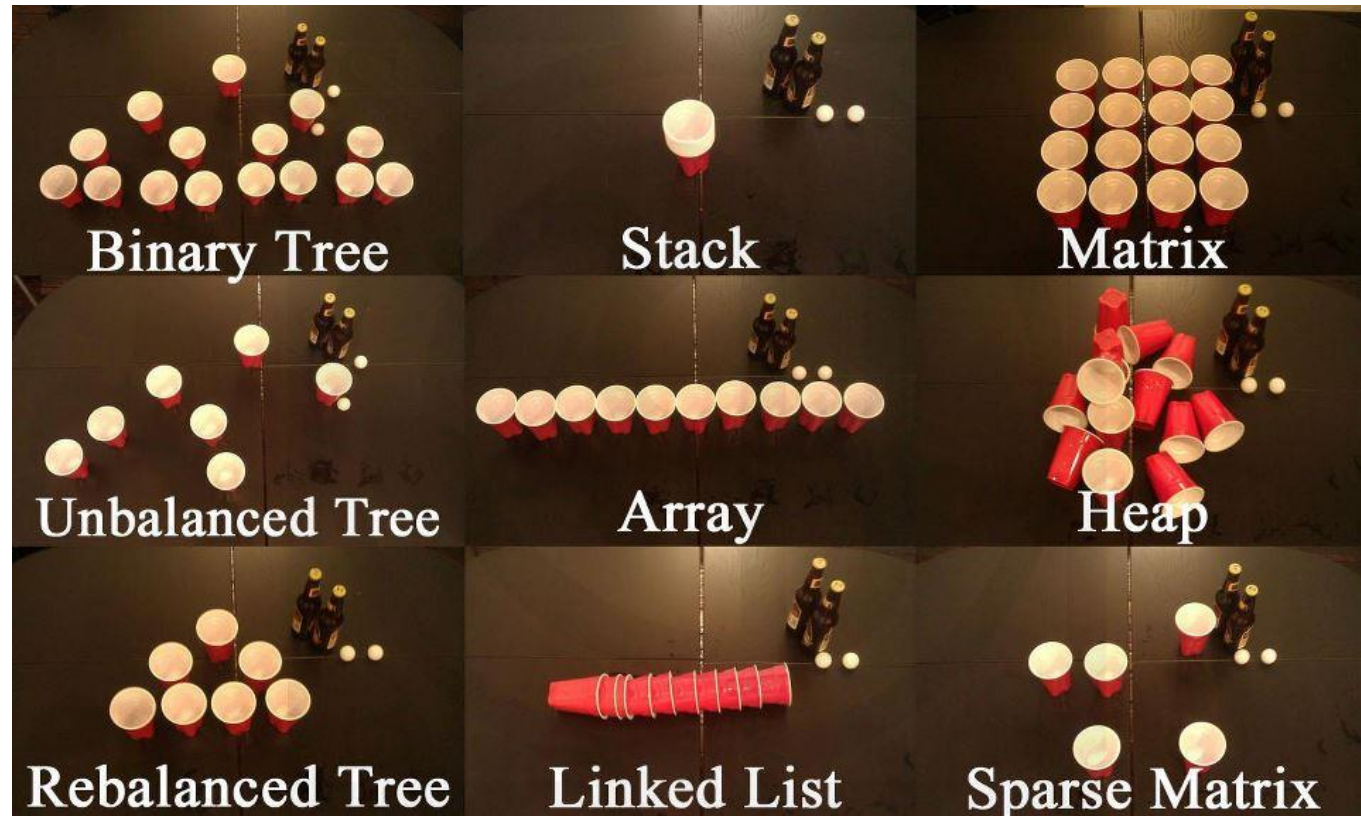
```
public class Film implements IPelicula {  
  
    private String denumire;  
    private int durata;  
  
    public Film(String denumire, int durata) {
```

```
int nrFilme=3;  
Film[] filme=new Film[nrFilme];  
for(int i=0;i<nrFilme;i++){  
    filme[i].play();  
}
```

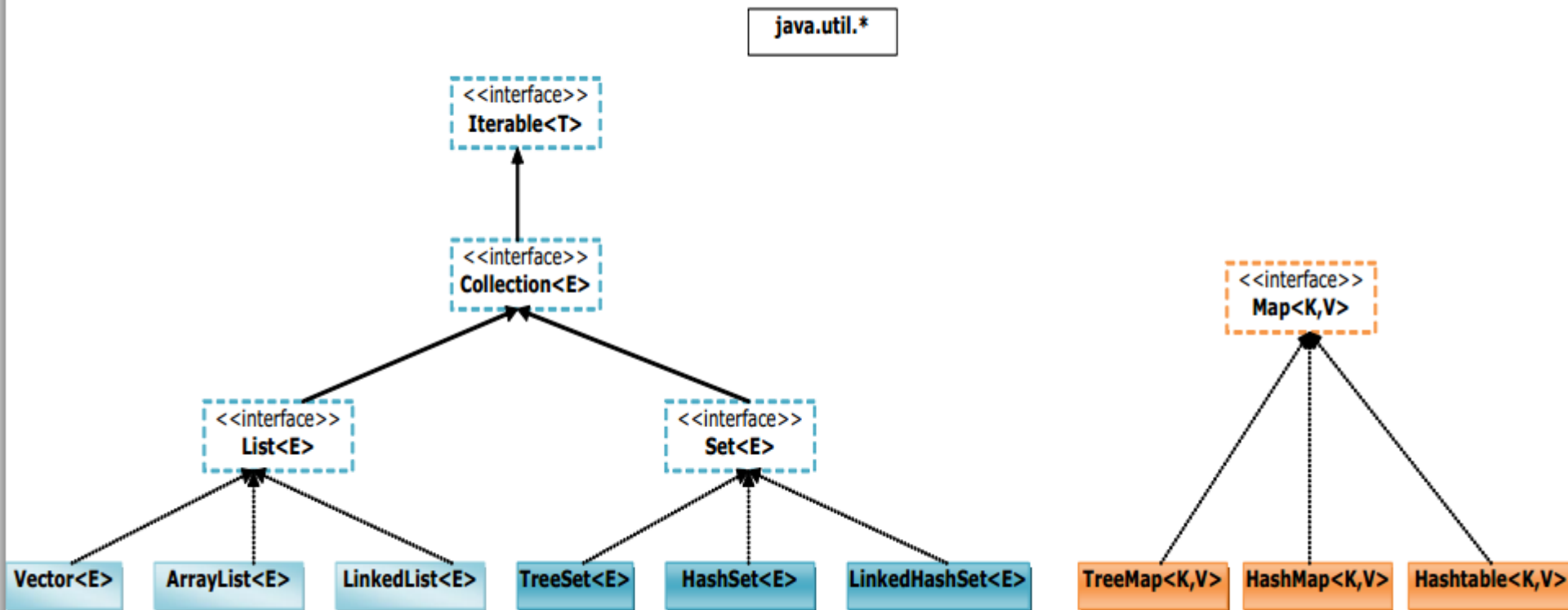


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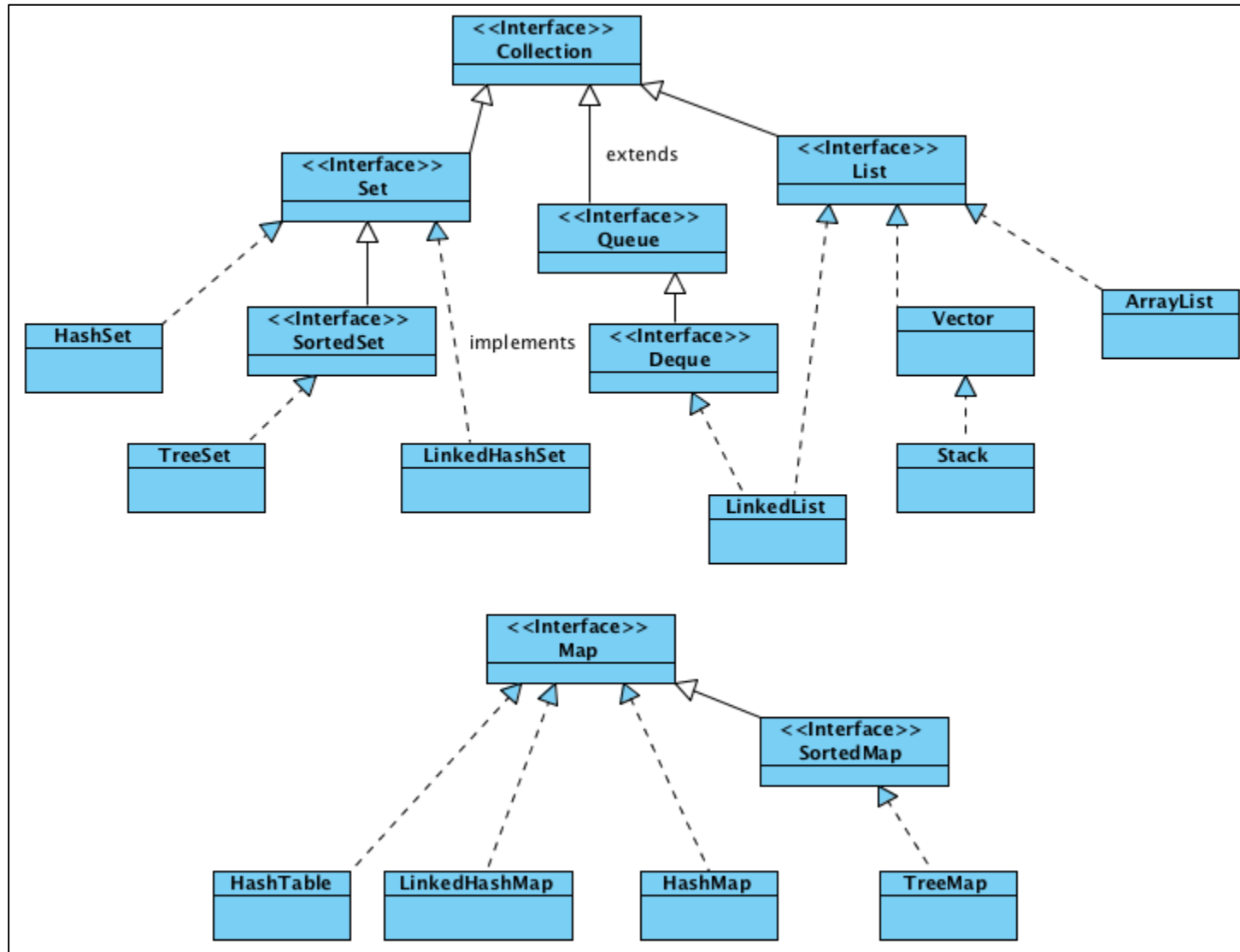
```
for (int i=0; i<nrFilme; i++) {  
    filme[i]=new Film();  
}
```



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# Java



<http://wiki3.cosc.canterbury.ac.nz/index.php/File:Collections-detail-1.png>

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```
Scanner scanIn = new Scanner(System.in);  
String linieCitita = scanIn.nextLine();  
int nrFilme = Integer.parseInt(linieCitita);
```

```
List<Film> listaFilme = new Vector<Film>(nrFilme);  
  
for(int i = 0; i < nrFilme; i++) {  
    listaFilme.add(new Film("_"+i+"_", 10+i));  
}
```

```
for(Iterator<Film> it = listaFilme.iterator(); it.hasNext();) {  
    Film atemp = null;  
    atemp = it.next();  
    atemp.play();  
}
```

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```
Map<String, Film> arbore = new TreeMap<String, Film>();  
for(int i = 0; i < nrFilme; i++) {  
    arbore.put("Sala "+(i+1), new Film("_"+i+"_", 10+i));  
}
```

```
for(Map.Entry<String, Film> intrare:arbore.entrySet()){  
    System.out.println("Filmul "  
        + intrare.getValue().getDenumire()  
        + " a pornit in sala "+intrare.getKey());  
}
```

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```
List<IPelicula> listaPelicule=new Vector<IPelicula>(nrFilme);
for(int i=0;i<nrFilme/2;i++)
    listaPelicule.add(new Film("_"+i+"_",(10+i)));

for(int i=0;i<nrFilme/2;i++)
    listaPelicule.add(new VideoClip("VideoClip_"+i+"_"));

for(IPelicula pelicula:listaPelicule)
{
    pelicula.play();
}
```

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