package USS;

import java.util.Comparator;

import java.util.HashSet;

import java.util.LinkedHashSet;

import java.util.Set;

import java.util.TreeSet;

public class Setone {

public static void main(String[] args) {

Set<Movie> Book=new TreeSet(new pricesort());

Movie first=new Movie(1,"KabirSingh",10.0,100);

Movie second=new Movie(2,"ArjunReddy",9.0,76);

Book.add(second);

Book.add(first);

for(Movie m:Book)

{

System.out.println("ratings :"+m.name);

System.out.println(m.Price);

System.out.println(m.id);

}

// Student student\_one=new Student(1,"Aasdf","A@");

// Student student\_two=new Student(3,"Bggthtjj","B@");

// Student student\_three=new Student(2,"Crty6uiii","C@");

//

// numbers.add(student\_one);

// numbers.add(student\_two);

// numbers.add(student\_three);

// //numbers.add(7);

//

// for(Student i:numbers)

// {

// System.out.println(i.name);

// }

//

}

}

class Student implements Comparable<Student>

{

int id;

String name;

String email;

public Student(int id, String name,String email)

{

this.name=name;

this.id=id;

this.email=email;

}

@Override

public int compareTo(Student o) {

// TODO Auto-generated method stub

return o.name.length()-this.name.length();

}

// @Override

// public int compareTo(Student o) {

// // TODO Auto-generated method stub

// return o.name.length()-this.name.length();

// }

}

class Movie implements Comparable<Movie>

{

int id;

String name;

double ratings;

int Price;

public Movie(int id, String name,double ratings,int Price)

{

this.id=id;

this.name=name;

this.ratings=ratings;

this.Price=Price;

}

@Override

public int compareTo(Movie o) {

if(this.ratings < o.ratings)

{

return 1;

}

else if(this.ratings> o.ratings)

{

return -1;

}

return 0;

}

}

class ratingsort implements Comparator<Movie>

{

@Override

public int compare(Movie o1, Movie o2) {

if(o1.ratings > o2.ratings)

{

return 1;

}

else if(o1.ratings< o2.ratings)

{

return -1;

}

return 0;

}

}

class pricesort implements Comparator<Movie>

{

@Override

public int compare(Movie o1, Movie o2) {

if(o1.Price > o2.Price)

{

return 1;

}

else if(o1.Price< o2.Price)

{

return -1;

}

return 0;

}

}

Lambda Example :

package USS;

public class Two {

public static void main(String[] args) {

Ianimal one=( int j, int k)-> System.out.println(j+k);

one.run(100,1000);

//one.sleep();

}

}

@FunctionalInterface

interface Ianimal

{

public void run(int i,int j);

//public void sleep();

}