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eclipse-workspace - Arrays/src/com/arrays/Factory.java - Eclipse IDE
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Package Explorer x
Arrays
  JRE System Library [JavaSE-1.8]
  src
    (default package)
      BinarySearch.java
      BubbleSort.java
      Insertion.java
      InsertionApp.java
      LinearSearch.java
      Pair.java
      Program.java
      Scenario1.java
      Scenario2.java
      Scenario3.java
      Scenario4.java
      Scenario5.java
      Scenario6.java
      Scenario7.java
      SelectionSort.java
      SelectionSortApp.java
    com.arrays
      Exceptions
      Multithreadingprograms
      programming
      Strings
      Swing
Factory.java x
1 package com.arrays;
2 import java.util.*;
3 import java.util.Arrays;
4 public class Factory
5 {
6
7
8     public static void main(String[] args) {
9         Scanner scan=new Scanner(System.in);
10        System.out.println("enter number of jobs");
11        int n=scan.nextInt();
12        //array creation
13        int arr[][]=new int[n][n];
14        System.out.println("Enter job start time, end time, and earnings");
15        for(int i=0;i<arr.length;i++) {
16            for(int j=0;j<arr[i].length;j++) {
17                arr[i][j]=scan.nextInt();
18            }
19        }
20        //starting time should be 2459 and less than the end time
21        for(int i=0;i<arr.length;i++) {
22            if(arr[i][0]<=2459) {
23            }
24            else {
25                System.out.println("starting time less than 2459");
26            }
27        }
28        //earnings stored into another array
29        int len=arr.length-1;
30        int arr2[]=new int[n];
31        for(int i=0;i<arr.length;i++) {
32            arr2[i]=arr[i][len];
33        }
34        //sorting of earnings
35        Arrays.sort(arr2);
36        int total_earings=0;
37        for(int i=0;i<arr2.length;i++) {
38            total_earings+=arr2[i];
39        }
40        System.out.println("Total Earnings: "+total_earings);
41    }
42 }
```

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27
28
29 //earnings stored into another array
30 int len=arr.length-1;
31 int arr2[]=new int[n];
32 for(int i=0;i<arr.length;i++) {
33     arr2[i]=arr[i][len];
34 }
35 //sorting of earnings
36 Arrays.sort(arr2);
37 int total_earings=0;
38 for(int i=0;i<arr.length-1;i++) {
39     total_earings=total_earings+arr2[i];
40 }
41
42 int count=0;
43 for(int i=0;i<arr.length;i++) {
44     for(int j=0;j<arr[i].length;j++) {
45         if(arr[i][len]==arr2[j]) {
46             count++;
47             break;
48         }
49     }
50 }
51 System.out.println("The number of tasks and earnings available for others");
52 //tasks and earnings should same or not
53 if(count==n) {
54     System.out.println("Task: 1");
55     System.out.println("Earnings: "+arr2[len]);
56 }
57 else {
58     System.out.println("Task: "+(n-count));
59     System.out.println("Earnings: "+total_earings);
60 }
61 }
62 }
63 }
```