

M.SNEHA
CSE

Desktop - example4.src\example4.lab4.java Eclipse IDE

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Package Explorer

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CustomObject
lab4.java
qno4.java
SimpleComp
sortable.java
module-info.java

Editor

CustomObject.java
SimpleComp.java
comparator.java
lab4.java
qno4.java

Problems

Javadoc Declaration Console
<terminated> lab4 [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (23-Feb-2024, 12:50:30 pm - 12:50:30 pm) [C:\Program Files\Java\jdk-20\bin\javaw.exe]
qno1.MIN and MAX in a list
[100, 50, 10, 44, 100]
min of the list is 10
max of the list is 100
qno2.Split a list into two halves
[100, 100, 50, 44, 10]
First half[100, 100]
second half[50, 44, 10]
qno3.Remove Duplicates in arraylist
[100, 100, 50, 44, 10]
100 is duplicated
after remove duplicates
[50, 100, 10, 44]

```
11- public static void main(String[] args) {  
12-     System.out.println("qno1.MIN and MAX in a list");  
13-     ArrayList<Integer> num = new ArrayList<>();  
14-     num.add(100);  
15-     num.add(50);  
16-     num.add(10);  
17-     num.add(44);  
18-     num.add(100);  
19-     System.out.println(num);  
20-     Collections.sort(num, Comparator.naturalOrder());  
21-     System.out.println("min of the list is "+num.get(0));  
22-     Collections.sort(num, Comparator.reverseOrder());  
23-     System.out.println("max of the list is "+num.get(0));  
24-     System.out.println("qno2.Split a list into two halves");  
25-     System.out.println("qno2.Split a list into two halves");  
26-     int len = num.size();  
27-     int mid = len/2;  
28-     System.out.println(num);  
29-     System.out.println("First half"+num.sublist(0, mid));  
30-     System.out.println("Second half"+num.sublist(mid, len));  
31-     System.out.println("qno3.Remove Duplicates in arraylist");  
32-     System.out.println("qno3.Remove Duplicates in arraylist");  
33-     System.out.println(num);  
34-     Set<Integer> s = new HashSet<Integer>();  
35-     for (Integer n : num) {  
36-         if(s.add(n) == false)  
37-             System.out.println(n + " is duplicated");  
38-     }  
39-     System.out.println("after remove duplicates ");  
40-     System.out.println(s);  
41-  
42-  
43-  
44-  
45-  
46- }  
47- }
```

34°C Sunny

Search

23 02-2024 12:51

```
1 package example4;  
2  
3 import java.util.LinkedList;  
4 public class qno4 {  
5  
6     public static void main(String[] args) {  
7         LinkedList<Integer> num = new LinkedList<>();  
8         num.add(25);  
9         num.add(45);  
10        System.out.println(num);  
11        System.out.println("Add element at first");  
12        num.addFirst(10);  
13        System.out.println(num);  
14        System.out.println("Add element at last");  
15        num.addLast(50);  
16        System.out.println(num);  
17  
18        }  
19    }  
20  
21 }  
22
```

```
[25, 45]  
Add element at first  
[10, 25, 45]  
Add element at last  
[10, 25, 45, 50]
```