

LP_Practice_DecreasingSequence

Ramya.V | 12 Feb 2023



Finish State: Normal

Test Taken on: February 12, 2023 01:30:17 PM IST



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Overall Summary

40 Marks Scored
out of 40

100 % 100 percentile
out of 45012 Test Takers

2m47s Time taken
of 1hr 20mins

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



This shows the correctness of questions attempted by the test taker

Correct	1 Ques	40/40 Marks
Incorrect	0 Ques	0/0 Marks
Partially Correct	0 Ques	0/0 Marks
Not Attempted	0 Ques	0/0 Marks

Section-Wise Details

▼ Section 1 Program	question(s) 1 Q.	Time taken 2m 47s (Untimed)	Marks Scored 40 / 40
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Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).




■ Correct	1 Ques	40/40 Marks
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This shows the correctness of questions attempted by the test taker


Test Log

12th Feb 2023


- 01:27 PM




Started the test with Program
- 01:29 PM




Away from test window
- 01:29 PM



Away from test window
- 01:30 PM



Away from test window
- 01:30 PM



Finished the test

About the Report

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1. Program

Question 1

Revisit Later

How to Attempt?

Decreasing sequence: Given an integer array, find the number of decreasing sequences in the array and the length of its longest decreasing sequence.

You are expected to complete the logic within the given function, where,

input1 represents the integer array and,

input2 represents the number of elements in the integer array

The function should set the **output1** variable to the number of decreasing sequences in the array, and set the **output2** variable to the length of the longest decreasing sequence in the array.

Example 1:

If **input1[]** = {11,3,1,4,7,8,12,2,3,7}
and **input2** = 10

output1 should be 2

output2 should be 3

Explanation:

In the given array **input1**, the decreasing sequences are "11,3,1" and "12,2", i.e. there are **two** decreasing sequences in the array, and so **output1** is assigned **2**. The first sequence i.e. "11,3,1" is the longer one containing **three** items, when compared to the second sequence "12,2" which contains 2 items. So, the length of the longest decreasing sequence **output2** = **3**.

Example 2:

If **input1[]** = {9}

Attempted: 1/1

JAVA7

Compiler: Java - 1.7

```
1  import java.io.*;
2  import java.util.*;
3
4  // Read only region start
5  class UserMainCode
6  {
7
8      public class Result{
9          public final int output1;
10         public final int output2;
11
12         public Result(int out1, int out2){
13             output1 = out1;
14             output2 = out2;
15         }
16     }
17
18     public Result decreasingSeq(int[] input1,int input2){
19         // Read only region end
20     {
21         int c1=0,c2=0,max=0;
22         for(int i=0;i<input2-1;i++)
23         {
24             if(input1[i]>input1[i+1])
25             {
26                 c1++;
27             }
28         }
29     }
```

☐ Use Custom Input

ⓘ

Compile and Test

Submit Code

1. Program

Question 1

Revisit Later

How to Attempt?

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Example 2:

If **input1[]** = {9}

< 1 >

Attempted: 1/1

JAVA7

Compiler: Java - 1.7

```
27     }
28     if((input1[i]<input1[i+1] && c1!=0) || ((i==input2-2) && c1!=0))
29     {
30         if(max<c1)
31         {
32             max=c1;
33         }
34         c2++;
35         c1=0;
36     }
37 }
38 max=max+1;
39 if(c2==0)
40 {
41     max=0;
42 }
43 if(input2==0)
44 {
45     max=0;
46     c2=0;
47 }
48 Result r1= new Result(c2,max);
49 return r1;
50 }
51 }
52 }
```

☐ Use Custom Input

①

Compile and Test

Submit Code

1. Program

1

Question 1

Revisit Later

How to Attempt?

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Example 2:

If **input1[]** = {9}

Attempted: 1/1

✓ default3

CODE EXECUTION DETAILS

Time: 167 ms

Memory: 103812 kb

TEST CASE INFORMATION

Input

{12,51,100,212,15,12,7,3,57,300,312,78,19,100,102,101,99,74,0,-5},20

Expected Output

3,6

Actual Output

3,6

CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

✓ default2

✓ default