LP_Practice_EncodingThreeStrings

Sasi | 11 Feb 2023

Test Name::

LP_Practice_EncodingThreeStrings

Finish State: Normal | Test Taken on: February 11, 2023 11:13:12 PM IST

S

Sasi

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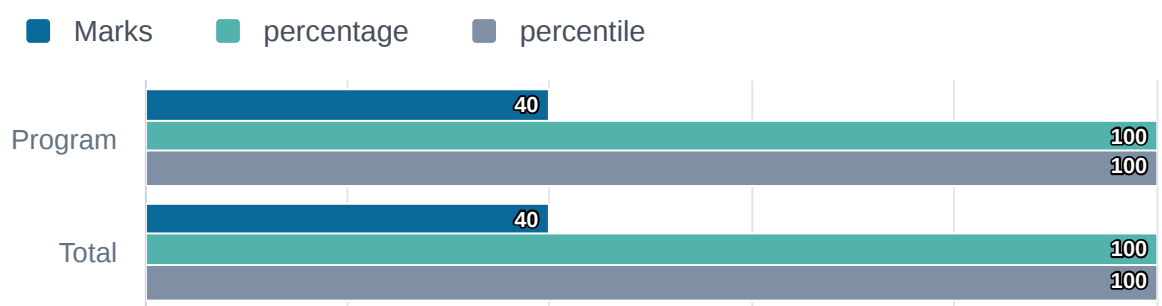
Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 44380 Test Takers
7 m 29 s	Time taken	of 1hr 20mins

Marks Scored



Attempt Summary

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

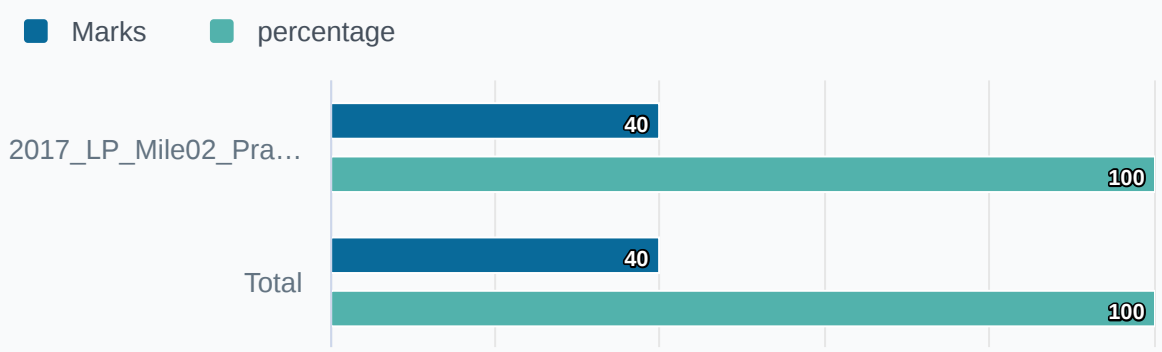
This shows the correctness of questions attempted by the test taker

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	question(s)	Time taken	Marks Scored
Program	1 Q.	7m 29s (Untimed)	40 / 40

Marks Scored



Attempt Summary

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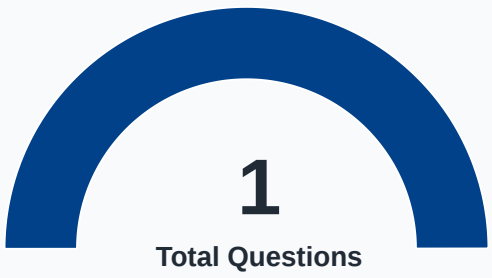

This shows the correctness of questions attempted by the test taker

Correct	1 Ques	40/40 Marks

Test Log

11th Feb 2023

11:05 PM		Started the test with Program
11:08 PM		Away from test window
11:13 PM		Finished the test

About the Report

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LP_Practice_EncodingThreeStrings / Saved: 0 seconds ago

Test Time: 01:13:49

Finish Test

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

Encoding Three Strings: Anand was assigned the task of coming up with an encoding mechanism for any given three strings. He has come up with the below plan.

STEP ONE: Given any three strings, break each string into 3 parts each.
For example – If the three strings are as below -
Input1 = "John"
Input2 = "Johny"
Input3 = "Janardhan"
"John" should be split into "J", "oh", "n" as the FRONT, MIDDLE and END parts respectively.
"Johny" should be split into "Jo", "h", "ny" as the FRONT, MIDDLE and END parts respectively.
"Janardhan" should be split into "Jan", "ard", "han" as the FRONT, MIDDLE and END parts respectively.
i.e. if the no. of characters in the string are in multiples of 3, then each split-part will contain equal no. of characters, as seen in the example of "Janardhan"
If the no. of characters in the string are NOT in multiples of 3, and if

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 String output1;
10         public final String output2;
11         public final String output3;
12
13         public Result(String out1, String out2, String out3){
14             output1 = out1;
15             output2 = out2;
16             output3 = out3;
17         }
18     }
19
```

Use Custom Input

Compile and Test

Submit Code

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LP_Practice_EncodingThreeStrings / Saved: 30 seconds ago

Test Time: 01:13:35

Finish Test

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

Encoding Three Strings: Anand was assigned the task of coming up with an encoding mechanism for any given three strings. He has come up with the below plan.

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If the no. of characters in the string are NOT in multiples of 3, and if

JAVA7 | Compiler: Java - 1.7

```
21          // Read only region end
22        String frnt1="",mid1="",end1="";
23    String frnt2="",mid2="",end2="";
24    String frnt3="",mid3="",end3="";
25    String output1="",output2="",output3="";
26    int len1=input1.length();
27    int len2=input2.length();
28          int len3=input3.length();
29    if(len1==input1.length()){
30    if(len1%3==0){
31     frnt1=input1.substring(0, (len1/3));
32     mid1=input1.substring((len1/3), (2*(len1/3)));
33     end1=input1.substring(2*(len1/3)); }
34    else if((len1-1)%3==0){
35     frnt1=input1.substring(0, (len1/3));
36     mid1=input1.substring((len1/3), ((2*(len1/3))+1));
37     end1=input1.substring(((2*(len1/3))+1)); }
38    else if((len1-2)%3==0) {
```

Use Custom Input

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Test Time: 01:13:22

Finish Test

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

Encoding Three Strings: Anand was assigned the task of coming up with an encoding mechanism for any given three strings. He has come up with the below plan.

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For example – If the three strings are as below -
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"Janardhan" should be split into "Jan", "ard", "han" as the FRONT, MIDDLE and END parts respectively.
i.e. if the no. of characters in the string are in multiples of 3, then each split-part will contain equal no. of characters, as seen in the example of "Janardhan"
If the no. of characters in the string are NOT in multiples of 3, and if

JAVA7 | Compiler: Java - 1.7

```
37   end1=input1.substring(((2*(len1/3))+1)); }
38  else if((len1-2)%3==0) {
39   frnt1=input1.substring(0, ((len1/3)+1));
40   mid1=input1.substring(((len1/3)+1), ((2*(len1/3))+1));
41   end1=input1.substring(((2*(len1/3))+1));}}
42   if(len2==input2.length()){
43  if(len2%3==0){
44   frnt2=input2.substring(0, (len2/3));
45   mid2=input2.substring((len2/3), (2*(len2/3)));
46   end2=input2.substring(2*(len2/3)); }
47  else if((len2-1)%3==0){
48   frnt2=input2.substring(0, (len2/3));
49   mid2=input2.substring((len2/3), ((2*(len2/3))+1));
50   end2=input2.substring(((2*(len2/3))+1)); }
51  else if((len2-2)%3==0){
52   frnt2=input2.substring(0, ((len2/3)+1));
53   mid2=input2.substring(((len2/3)+1), ((2*(len2/3))+1));
54   end2=input2.substring(((2*(len2/3))+1)); }}
```

Use Custom Input

Compile and Test

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LP_Practice_EncodingThreeStrings / Saved: 60 seconds ago

Test Time: 01:13:10

Finish Test

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

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STEP ONE: Given any three strings, break each string into 3 parts each.

For example – If the three strings are as below -

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Input2= "Johny"

Input3= "Janardhan"

"John" should be split into "J", "oh", "n" as the FRONT, MIDDLE and END parts respectively.

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"Janardhan" should be split into "Jan", "ard", "han" as the FRONT, MIDDLE and END parts respectively.

i.e. if the no. of characters in the string are in multiples of 3, then each split-part will contain equal no. of characters, as seen in the example of "Janardhan"

If the no. of characters in the string are NOT in multiples of 3, and if

JAVA7

Compiler: Java - 1.7

```
56  if(len3%3==0){
57   frnt3=input3.substring(0, (len3/3));
58   mid3=input3.substring((len3/3), (2*(len3/3)));
59   end3=input3.substring(2*(len3/3)); }
60  else if((len3-1)%3==0){
61   frnt3=input3.substring(0, (len3/3));
62   mid3=input3.substring((len3/3), ((2*(len3/3))+1));
63   end3=input3.substring(((2*(len3/3))+1));}
64  else if((len3-2)%3==0){
65   frnt3=input3.substring(0, ((len3/3)+1));
66   mid3=input3.substring(((len3/3)+1), ((2*(len3/3))+1));
67   end3=input3.substring(((2*(len3/3))+1));}}
68  output1=frnt1+frnt2+frnt3;
69  output2=mid1+mid2+mid3;
70  output3=end1+end2+end3;
71  System.out.println(output3);
72  output3=changeCase(output3);
73  Result rs=new Result(output1,output2,output3);
74
```

Use Custom Input

Compile and Test

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LP_Practice_EncodingThreeStrings / Saved: 0 seconds ago

Test Time: 01:12:51

Finish Test

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

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i.e. if the no. of characters in the string are in multiples of 3, then each split-part will contain equal no. of characters, as seen in the example of "Janardhan"
If the no. of characters in the string are NOT in multiples of 3, and if

JAVA7 | Compiler: Java - 1.7

```
69  output2=mid1+mid2+mid3;
70  output3=end1+end2+end3;
71  System.out.println(output3);
72  output3=changeCase(output3);
73  Result rs=new Result(output1,output2,output3);
74  return rs;}
75 public static String changeCase(String str){
76  StringBuffer newS = new StringBuffer(str);
77  for(int i=0;i<str.length();i++){
78   Character c=str.charAt(i);
79   if(Character.isLowerCase(c)){
80    newS.replace(i, i+1, Character.toUpperCase(c)+"");}
81   else{
82    newS.replace(i, i+1, Character.toLowerCase(c)+"");}}
83  str=newS.toString();
84  return str;
85 }}
86
```

Use Custom Input

Compile and Test

Submit Code

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