LP_Practice_AdditionUsingStrings

Ramya.V | 12 Feb 2023

Test Name::

LP_Practice_AdditionUsingStrings

Finish State: Browsing tolerance exceeded | Test Taken on: February 12, 2023 01:12:30 PM IST

R

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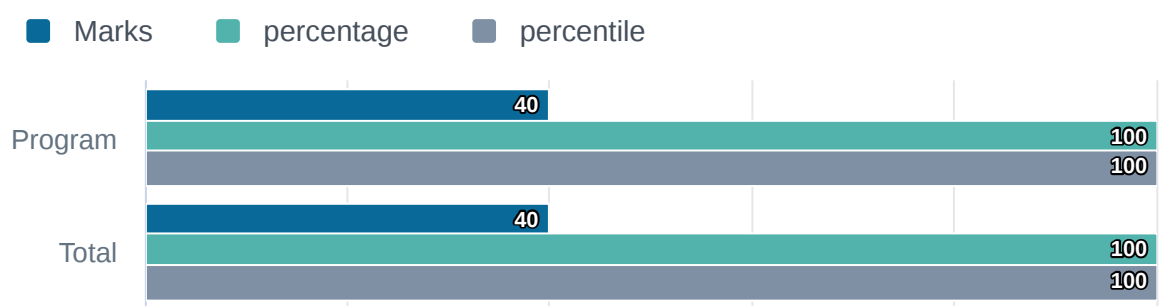
Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 45422 Test Takers
4m	Time taken	of 1hr 20mins

Marks Scored



Attempt Summary

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

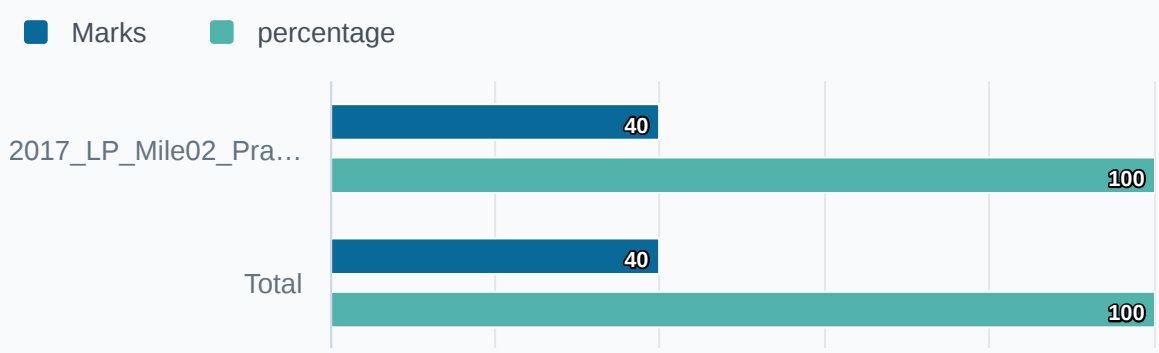
This shows the correctness of questions attempted by the test taker

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.	4m (Untimed)	40 / 40

Marks Scored



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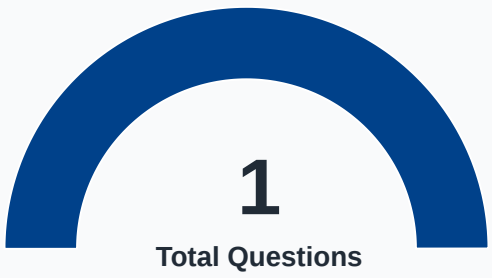

This shows the correctness of questions attempted by the test taker

Correct	1 Ques	40/40 Marks

Test Log

12th Feb 2023

01:05 PM	Started the test with Program
01:05 PM	Away from test window
01:07 PM	Away from test window
01:08 PM	Away from test window
01:08 PM	Away from test window
01:09 PM	Away from test window
01:09 PM	Test ended (crossed browsing tolerance)

About the Report

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1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

Addition using Strings: Write a function that takes two numbers in string format and forms a string containing the sum (addition) of these two numbers.

Assumption(s):

- The input strings will contain only numeric digits
- The input strings can be of any large lengths
- The lengths of the two input string need not be the same
- The input strings will represent only positive numbers

For example –

- If input strings are "1234" and "56", the output string should be "1290"
- If input strings are "56" and "1234", the output string should be "1290"
- If input strings are "12345673212898954321 9" and "987612673489652", the output string should be "123457719741663032871"

NOTE: In Java & C#, this logic can be easily implemented using BigInteger

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 String addNumberStrings(String input1,String input2){
9          // Read only region end
10     {
11 int carry=0;
12   if(input1.length()<input2.length())
13   {
14     String temp="";
15    temp=input1;
16    input1=input2;
17    input2=temp;
```

Use Custom Input

Compile and Test

Submit Code

1. Program

1

Attempted: 1/1

Question 1

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JAVA7 | Compiler: Java - 1.7

```
18    }
19    int len1=input1.length();
20    int len2=input2.length();
21    String str="";
22    int j=len2-1;
23    for(int i=0;i<len1;i++)
24    {
25     int a=Character.getNumericValue(input1.charAt(len1-1-i));
26     int b=0;
27     if(j>=0)
28     {
29      b=Character.getNumericValue(input2.charAt(j));
30      j--;
31     }
32     int sum=a+b+carry;
33     carry=sum/10;
34     int init=sum%10;
```

Use Custom Input

Compile and Test | Submit Code

1. Program

1

Attempted: 1/1

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NOTE: In Java & C#, this logic can be easily implemented using BigInteger

JAVA7

Compiler: Java - 1.7

```
30      j--;
31     }
32     int sum=a+b+carry;
33     carry=sum/10;
34     int init=sum%10;
35     str=Integer.toString(init)+str;
36     if(i==len1-1 && carry>0)
37     {
38             str=Integer.toString(carry)+str;
39      }
40    }
41    return str;
42    }
43   }
44  }
45
46
```

Use Custom Input

Compile and Test

Submit Code