

1. Program

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 "123456732128989543219" and "987612673489652", the output string should be "123457719741663032871"

NOTE: In Java & C#, this logic can be easily implemented using BigInteger. However for the sake of enhancing your programming skills, you are recommended to solve this question without using BigInteger.

JAVA7

Compiler: Java - 1.7

```
6 {
7
8     public String addNumberStrings(String input1,String input2){
9         // Read only region end
10        // Write code here...
11        int carry=0;
12        if(input1.length()<input2.length())
13        {
14            String temp="";
15            temp=input1;
16            input1=input2;
17            input2=temp;
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;
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 }
```

☐ Use Custom Input

①

Compile and Test

Submit Code

Revisit Later

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```

29      Attempt
30      j--
31      }
32      int
33      carr
34      int
35      str-
36      if(
37      {
38      |
39      }
40      }
41      return
42      |
43      }

```

☐ Use Custom In

Code Execution

0/5 - Graded Test

- TC 5

- TC 4

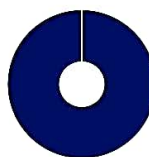
- TC 3

- ✓ TC 2

- TC 1

 Finish Test

⌚ Remaining Time: 01:18:02 ✕



1 Total Questions

- Attempted: 1/1
- Marked for Revisit: 0/1
- Unattempted: 0/1

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	<div> <div></div> <div>1</div> </div> <div>Total: 1 Questions</div>

Yes, End Test!

[No, Back to Test](#)