Mercer | mettl

Saranya M

LP_Practice_AdditionUsingStrings / Saved: 60 seconds ago

Test Time: 01:02:47

Finish Test

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 "123456732128989543219" and "987612673489652", the output string should be "12345771974166303287 1"

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.

Use Custom Input

Compile and Test

Submit Code

Code Execution | Code History

0/2 - Sample Test Cases Failed

default

CODE EXECUTION DETAILS

Time: 143 ms

Memory: 103812 kb

TEST CASE INFORMATION

Input

123456732128989543219,987612673489652

Expected Output

12345771974166303287 1

Actual Output

12345771974166303287 1

CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

default

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Saranya M

LP_Practice_AdditionUsingStrings / Saved: 60 seconds ago

Test Time: 01:02:37

Finish Test

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.

1

Attempted: 1/1

JAVA7

Compiler: Java - 1.7

```
class UserMainCode
{

    public String addNumberStrings(String input1,String input2){
        // Read only region end
int carry=0;
  if(input1.length()<input2.length())
  {
    String temp="";
   temp=input1;
   input1=input2;
   input2=temp;
  }
  int len1=input1.length();
  int len2=input2.length();
  String str="";
  int j=len2-1;
  for(int i=0;i<len1;i++)
  {
   int a=Character.getNumericValue(input1.charAt(len1-1-i));
   int b=0;
   if(j>=0)
   {
    b=Character.getNumericValue(input2.charAt(j));
    j--;
   }
   int sum=a+b+carry;
   carry=sum/10;
   int init=sum%10;
   str=Integer.toString(init)+str;
   if(i==len1-1 && carry>0)
   {
            str=Integer.toString(carry)+str;
    }
  }
  return str;
})
```

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Saranya M

LP_Practice_AdditionUsingStrings / Saved: 0 seconds ago

Test Time: 01:02:21 Finish Test

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
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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.

1

Attempted: 1/1

```
28      er.getNumericValue(input2.charAt(j));
29      j--;
30     }
31     int sum=a+b+carry;
32     carry=sum/10;
33     int init=sum%10;
34     str=Integer.toString(init)+str;
35     if(i==len1-1 && carry>0)
36     {
37             str=Integer.toString(carry)+str;
38     }
39    }
40    return str;
41  }}
42
```

Use Custom Input

Compile and Test Submit Code

Code Execution Code History

0/5 - Graded Test Cases Failed

- TC 5
- TC 4
- TC 3
- TC 2