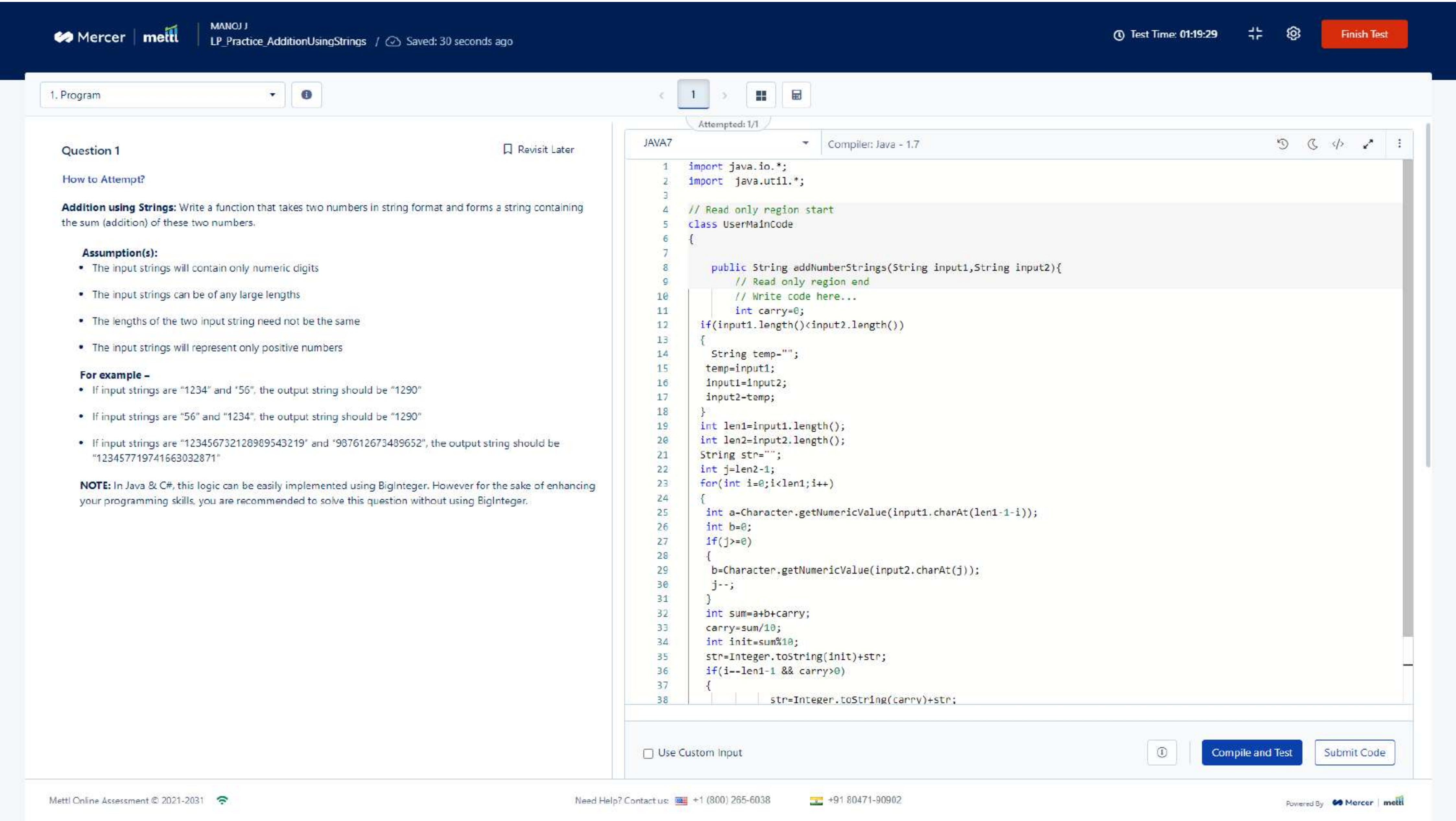
Mercer | mettl
MANOJ J
LP_Practice_AdditionUsingStrings / Saved: 30 seconds ago
Test Time: 01:19:29
Finish Test
1. Program
1
Attempted: 1/1
JAVA7
Compiler: Java - 1.7
Revisit Later
☐ Use Custom Input
Compile and Test
Submit Code
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Question 1

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 –

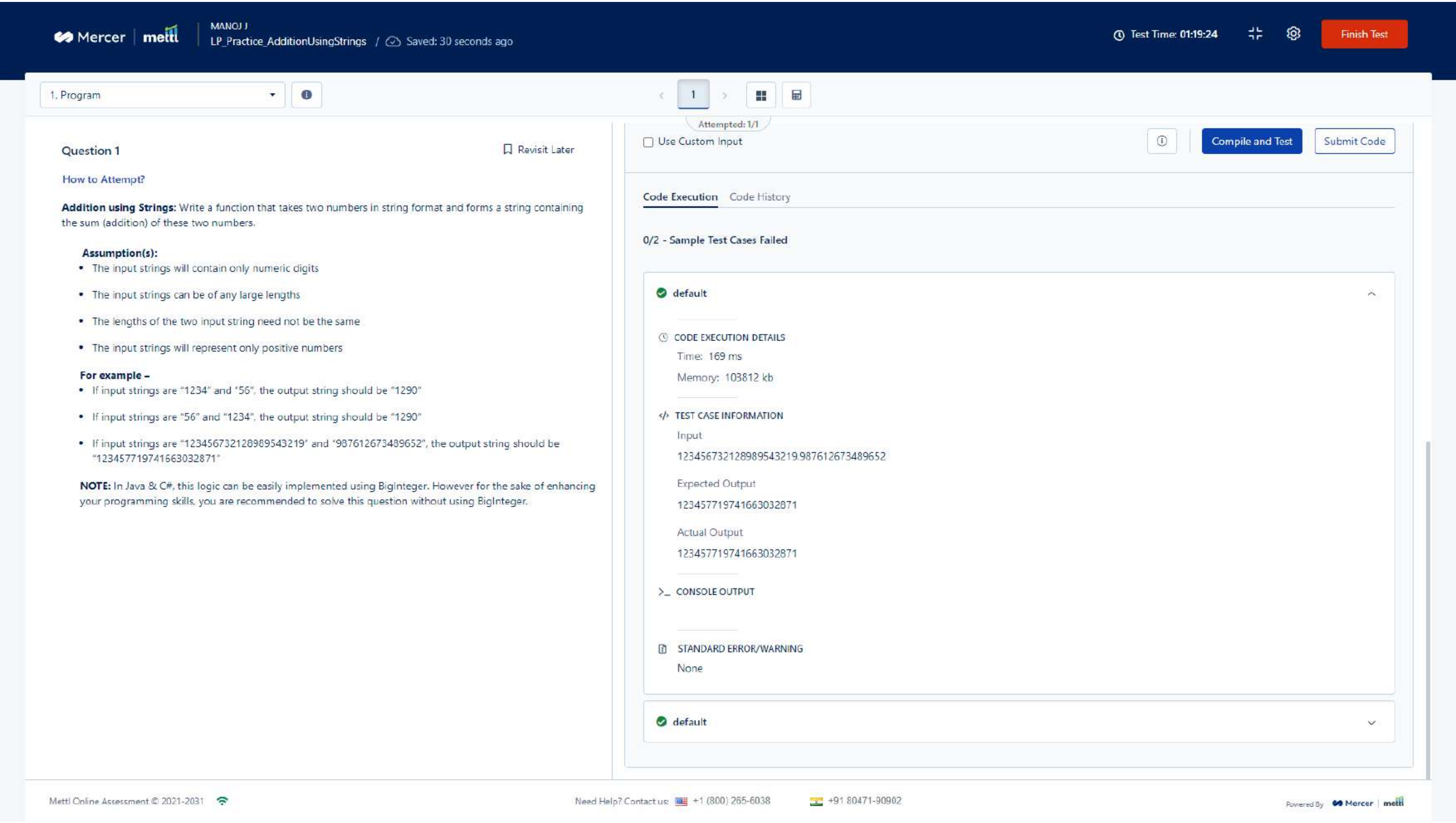
- If input strings are "1234" and "56", the output string should be "1290"
- If input strings are "56" and "1234", the output string should be "1290"
- If input strings are "123456732128989543219" and "987612673489652", the output string should be "123457719741663032871"

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.

```
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public String addNumberStrings(String input1,String input2){
        // Read only region end
        // Write code here...
        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;
```



MANOJ J

LP_Practice_AdditionUsingStrings / Saved: 30 seconds ago

Test Time: 01:19:24

Attempted: 1/1

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□ Use Custom Input

0/2 - Sample Test Cases Failed

✓ default

CODE EXECUTION DETAILS

Time: 169 ms

Memory: 103812 kb

</> TEST CASE INFORMATION

Input

```
123456732128989543219,987612673489652
```

Expected Output

```
123457719741663032871
```

Actual Output

```
123457719741663032871
```

>_ CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

✓ default

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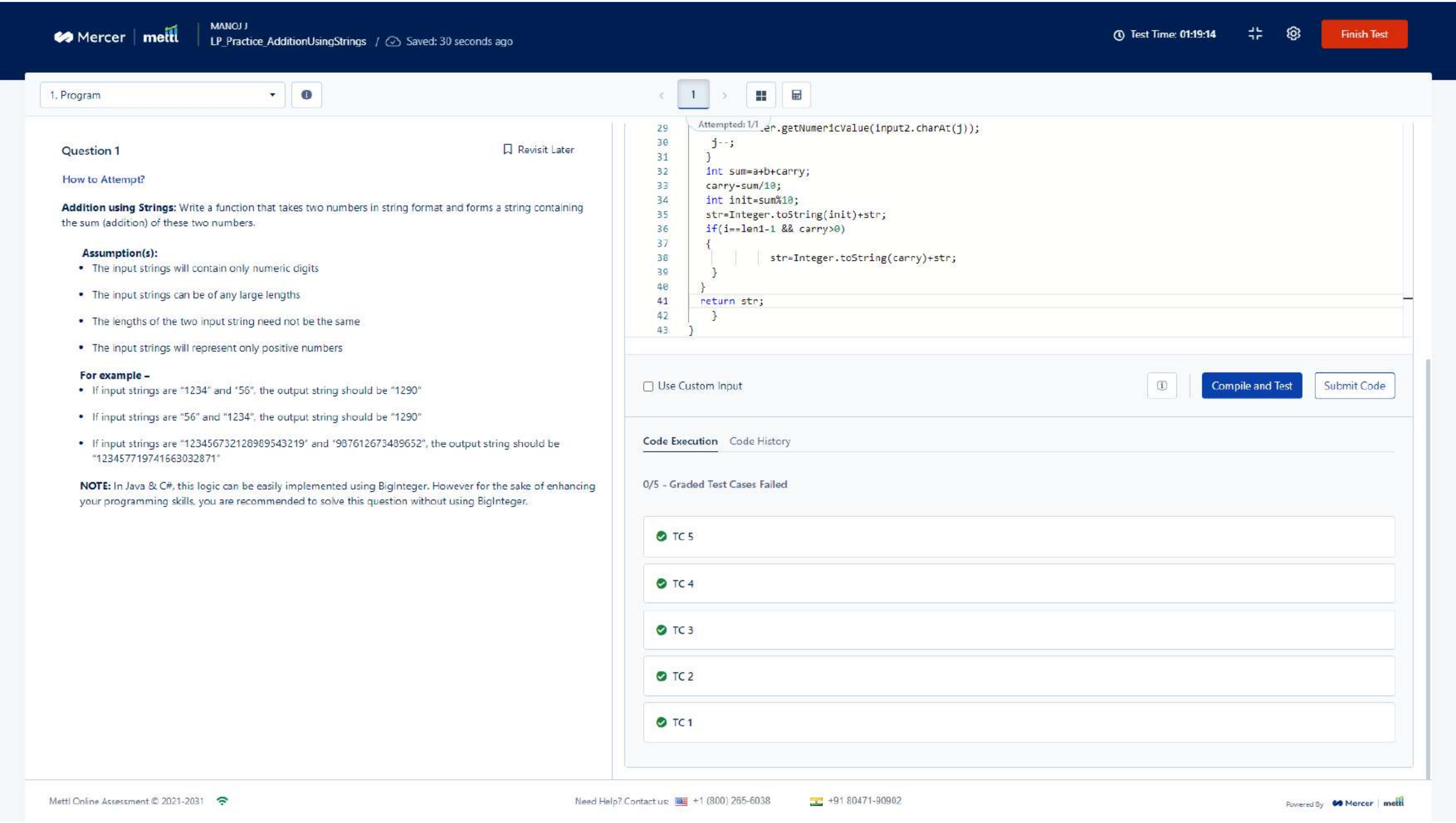

Question 1

Revisit Later

How to Attempt?

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```
                 er.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;
          }
   }
```

□ Use Custom Input

0/5 - Graded Test Cases Failed

✓ TC 5

✓ TC 4

✓ TC 3

✓ TC 2

✓ TC 1