LP_Practice_FindStringCode

Mugulsundar | 06 Feb 2023

Test Name::

LP_Practice_FindStringCode

Finish State: Normal | Test Taken on: February 06, 2023 02:30:06 PM IST

M

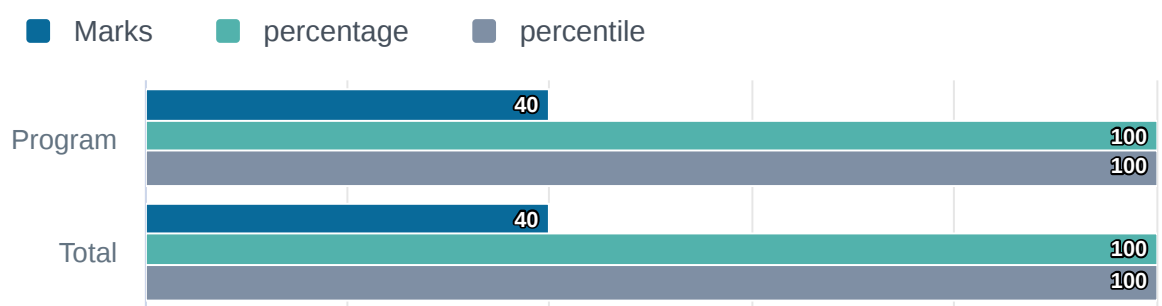
Mugulsundar

smugulsundar@gmail.com

Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 72907 Test Takers
31m 19s	Time taken	of 1hr 20mins

Marks Scored



Attempt Summary

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

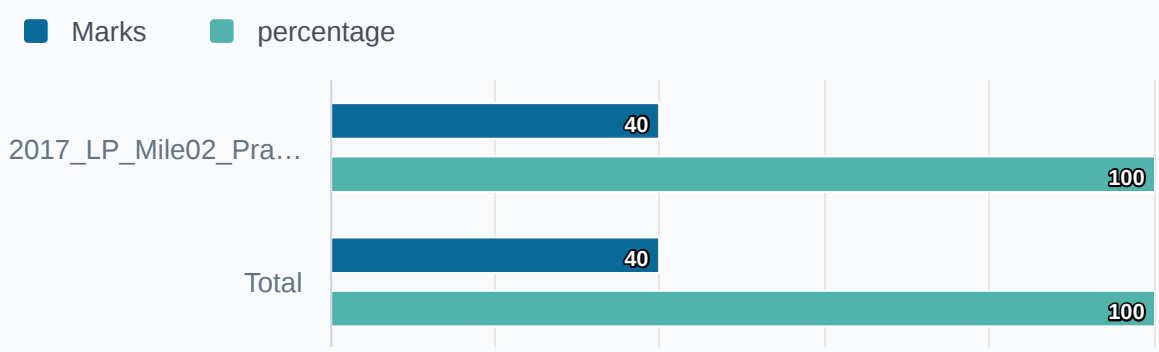
This shows the correctness of questions attempted by the test taker

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

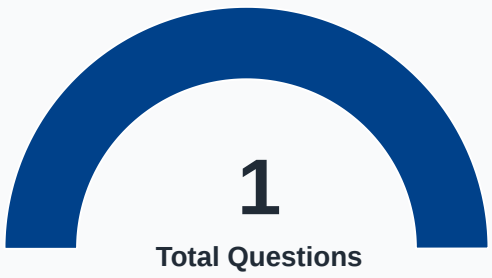
Section 1	question(s)	Time taken	Marks Scored
Program	1 Q.	31m 19s (Untimed)	40 / 40

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

Test Log

6th Feb 2023

01:57 PM		Started the test with Program
02:29 PM		Finished the test

About the Report

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LP_Practice_GetCodeThroughStrings

Mugulsundar | 06 Feb 2023

Test Name::

LP_Practice_GetCodeThroughStrings

Finish State: Normal | Test Taken on: February 06, 2023 02:49:52 PM IST

M

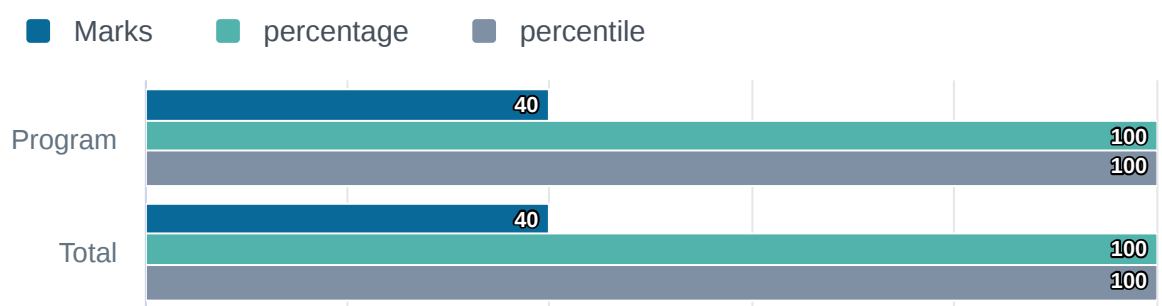
Mugulsundar

mugulsundar.2020.ece@ritchennai.edu.in

Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 42681 Test Takers
6m 2s	Time taken	of 1hr 20mins

Marks Scored



Attempt Summary

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

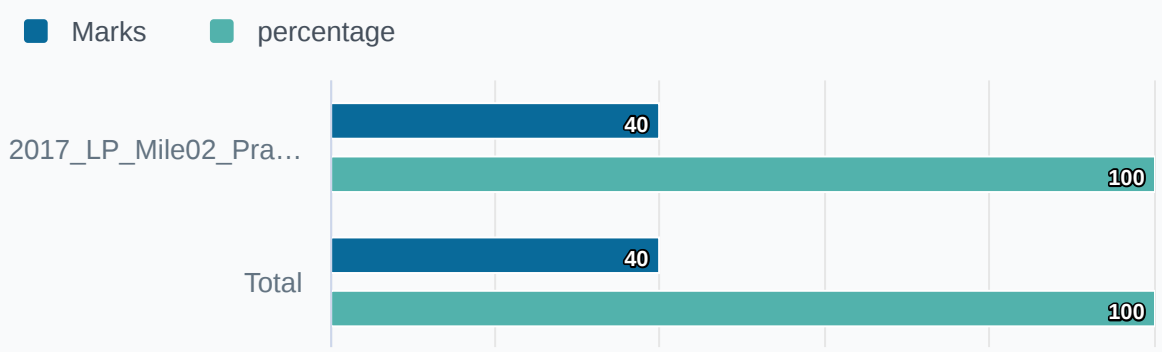
This shows the correctness of questions attempted by the test taker

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

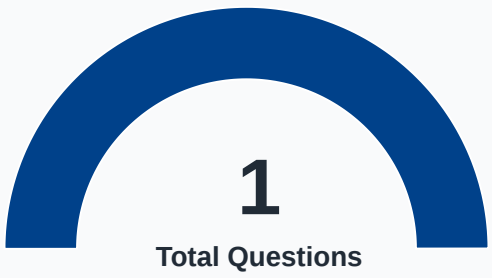
Section 1	question(s)	Time taken	Marks Scored
Program	1 Q.	6m 2s (Untimed)	40 / 40

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

Test Log

6th Feb 2023

02:37 PM		Started the test with Program
02:41 PM		Away from test window
02:43 PM		Finished the test

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LP_Practice_AdditionUsingStrings

Mugulsundar | 06 Feb 2023

Test Name::

LP_Practice_AdditionUsingStrings

Finish State: Normal | Test Taken on: February 06, 2023 11:49:02 PM IST

M

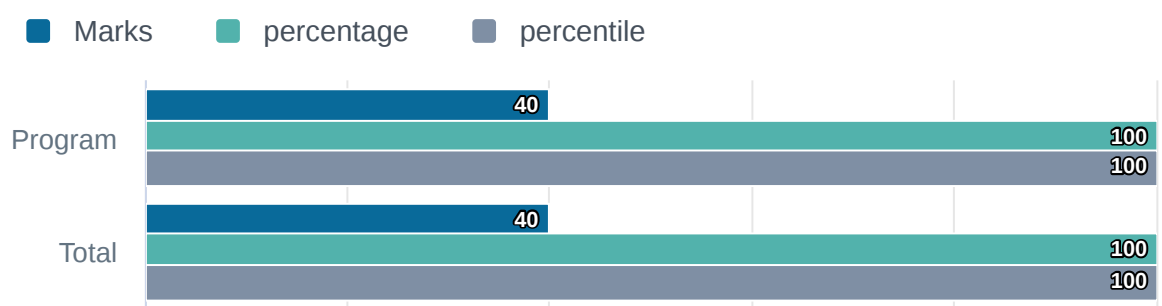
Mugulsundar

mugulsundar.2020.ece@ritchennai.edu.in

Overall Summary

40	Marks Scored	out of 40
100 %	100 percentile	out of 44901 Test Takers
6m 17s	Time taken	of 1hr 20mins

Marks Scored



Attempt Summary

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

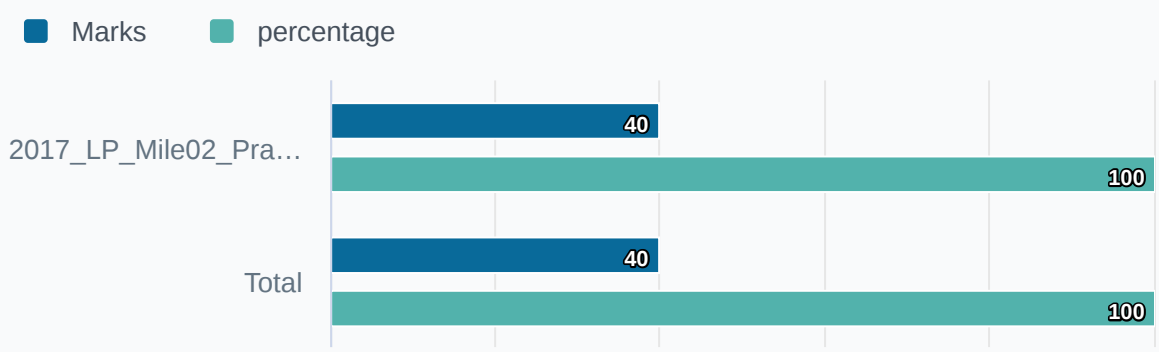
This shows the correctness of questions attempted by the test taker

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

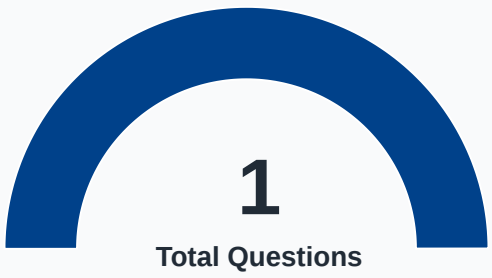
Section 1	question(s)	Time taken	Marks Scored
Program	1 Q.	6m 17s (Untimed)	40 / 40

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

Test Log

6th Feb 2023

11:42 PM		Started the test with Program
11:47 PM		Away from test window for 03 mins
11:49 PM		Finished the test

About the Report

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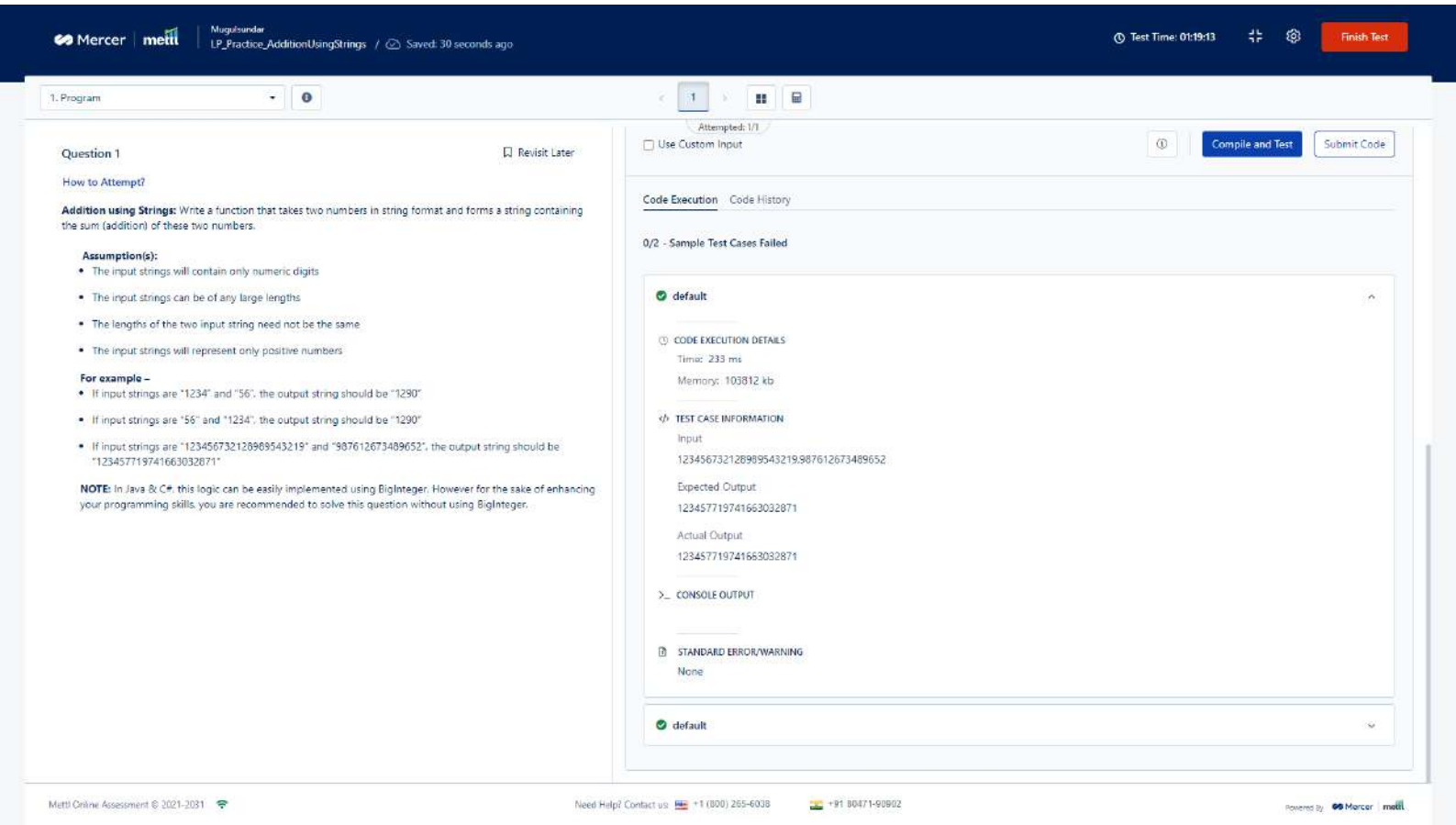
Mercer | mettl
Mugulsundar
LP_Practice_AdditionUsingStrings / Saved: 30 seconds ago
Test Time: 01:19:13
Finish Test
1. Program
1
Attempted: 1/1
Question 1
Revisit Later
How to Attempt?
Addition using Strings: Write a function that takes two numbers in string format and forms a string containing the sum (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 "12345673212898543219" 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: 233 ms
Memory: 103812 kb
TEST CASE INFORMATION
Input
12345673212898543219,987612673489652
Expected Output
123457719741663032871
Actual Output
123457719741663032871
CONSOLE OUTPUT
STANDARD ERROR/WARNING
None
default
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Question 1

Revisit Later

How to Attempt?

FindStringCode
Crazy Zak has designed the below steps which can be applied on any given string (sentence) to produce a number.
STEP1. In each word, find the Sum of the Difference between the first letter and the last letter, second letter and the penultimate letter, and so on till the center of the word.
STEP2. Concatenate the sums of each word to form the result.

For example –
If the given string is "WORLD WIDE WEB"
STEP1. In each word, find the Sum of the Difference between the first letter and the last letter, second letter and the penultimate letter, and so on till the center of the word.
WORLD = [W-D]+[O-L]+[R] = [23-4]+[15-12]+[18] = [19]+[3]+[18] = [40]
WIDE = [W-E]+[I-D] = [23-5]+[9-4] = [18]+[5] = [23]
WEB = [W-B]+[E] = [23-2]+[5] = [21]+[5] = [26]

STEP2. Concatenate the sums of each word to form the result
[40] [23] [26]
[402326]
The answer (output) should be the number 402326.

NOTE1: The value of each letter is its position in the English alphabet system i.e. a=A=1, b=B=2, c=C=3, and so on till z=Z=26.
So, the result will be the same for "WORLD WIDE WEB" or "World Wide Web" or "world wide web" or any other combination of uppercase and lowercase letters.

IMPORTANT Note: In Step1, after subtracting the alphabets, we should use the absolute values for calculating the sum. For instance, in the below example, both [H-O] and [E-L] result in negative number -7, but the positive number 7 (absolute value of -7) is used for calculating the sum of the differences.
Hello = [H-O]+[E-L]+[L] = [8-15]+[5-12]+[12] = [7]+[7]+[12] = [26]

Assumptions: The given string (sentence) will contain only alphabet characters and there will be only one space character between any two consecutive words.

0/2 - Sample Test Cases Failed

Default

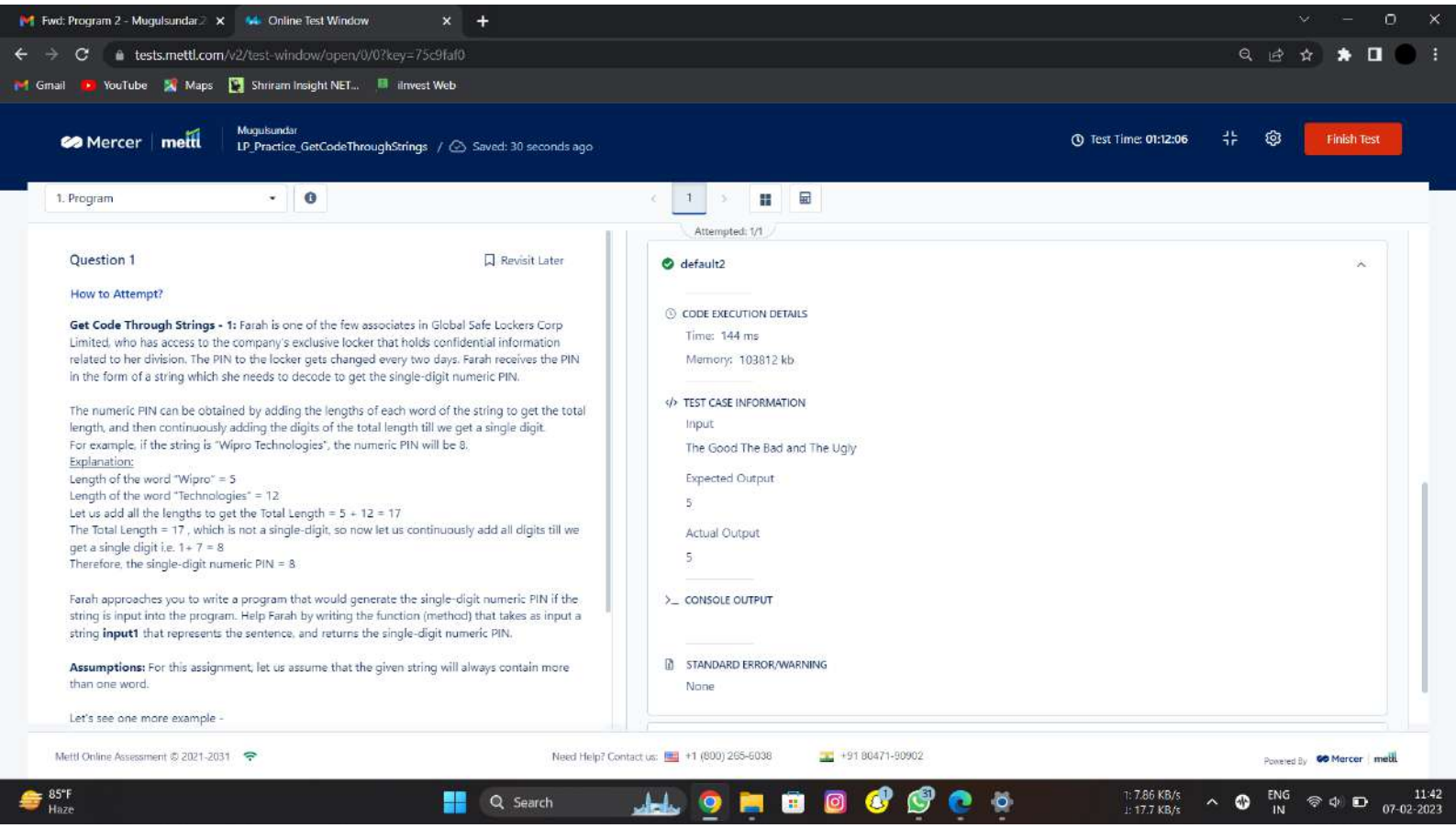
CODE EXECUTION DETAILS
Time: 198 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
World Wide Web
Expected Output
402326
Actual Output
402326

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

Default


Fwd: Program 2 - Mugulsundar
Online Test Window
tests.mettl.com/v2/test-window/open/0/0?key=75c9faf0
Gmail
YouTube
Maps
Shriram Insight NET...
ilnvest Web
Mercer | mettl
Mugulsundar
LP_Practice_GetCodeThroughStrings / Saved: 30 seconds ago
Test Time: 01:12:06
Finish Test
1. Program
1
Attempted: 1/1
Question 1
Revisit Later
How to Attempt?
Get Code Through Strings - 1: Farah is one of the few associates in Global Safe Lockers Corp Limited, who has access to the company's exclusive locker that holds confidential information related to her division. The PIN to the locker gets changed every two days. Farah receives the PIN in the form of a string which she needs to decode to get the single-digit numeric PIN.
The numeric PIN can be obtained by adding the lengths of each word of the string to get the total length, and then continuously adding the digits of the total length till we get a single digit.
For example, if the string is "Wipro Technologies", the numeric PIN will be 8.
Explanation:
Length of the word "Wipro" = 5
Length of the word "Technologies" = 12
Let us add all the lengths to get the Total Length = 5 + 12 = 17
The Total Length = 17 , which is not a single-digit, so now let us continuously add all digits till we get a single digit i.e. 1+ 7 = 8
Therefore, the single-digit numeric PIN = 8
Farah approaches you to write a program that would generate the single-digit numeric PIN if the string is input into the program. Help Farah by writing the function (method) that takes as input a string input1 that represents the sentence, and returns the single-digit numeric PIN.
Assumptions: For this assignment, let us assume that the given string will always contain more than one word.
Let's see one more example -
default2
CODE EXECUTION DETAILS
Time: 144 ms
Memory: 103812 kb
TEST CASE INFORMATION
Input
The Good The Bad and The Ugly
Expected Output
5
Actual Output
5
CONSOLE OUTPUT
STANDARD ERROR/WARNING
None
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85°F Haze
Search
ENG IN
11:42 07-02-2023