Mercer | mettl

Sangeetha
LP_Practice_isPalinNum / Saved: 0 seconds ago

1. Program

Question 1

Revisit Later

How to Attempt?

Is Palindrome Number?
Write a function to find whether the given number N is a palindrome.

A palindrome number is one that reads the same backwards as well as forwards. For e.g. 252, 18981, 5005 are examples of palindrome numbers.

The number will be passed to the function as an input parameter of type int.
If the number is a palindrome, the function should return 2, else it should return 1.

Assumption: The input number will be a positive integer number >= 1 and <= 25000.

Use Custom In

Code Execution

0/8 - Graded Test

Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1

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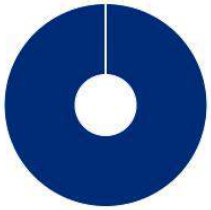
Finish Test

Remaining Time: 01:00:37



Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

Mercer | mettl

Sangeetha
LP_Practice_IsPalinPossible / Saved: 30 seconds ago

1. Program

Question 1

Revisit Later

How to Attempt?

Is Palindrome possible?
Write a function to find whether it is possible to get a palindrome number from a given number by re-arranging the positions of its digits. If yes, the function should return 2, else it must return 1.
Example1: If the given number is 21251, it is possible to form a palindrome by re-arranging its digits, as 21512 or 12521. So the function must return 2.
Example2: If the given number is 2125, it is not possible to form a palindrome by re-arranging its digits. So the function must return 1.

Note: All diits of the given number should be retained while deciding whether they can together form a palindrome.
Assumption: The input number will be a positive integer number >= 1 and <= 25000.

Use Custom In

Code Execution

0/8 - Graded Test

Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1

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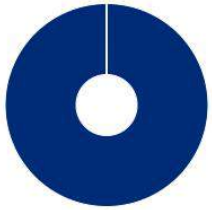
Finish Test

Remaining Time: 01:04:10



Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

Mercer | mettl

Sangeetha
LP_Practice_CreatePIN3 / Saved: 60 seconds ago

1. Program

Question 1

Revisit Later

How to Attempt?

pCreate PIN using three given input numbers
"Secure Assets Private Ltd", a small company that deals with lockers has recently started manufacturing digital locks which can be locked and unlocked using PINs (passwords). You have been asked to work on the module that is expected to generate PINs using three input numbers.
Assumptions: The three given input numbers will always consist of three digits each i.e. each of them will be in the range >=100 and <=999
100 <= input1 <= 999
100 <= input2 <= 999
100 <= input3 <= 999

Below are the rules for generating the PIN -
- The PIN should be made up of 4 digits
- The unit (ones) position of the PIN should be the least of the units position of the three input numbers
- The tens position of the PIN should be the least of the tens position of the three input numbers
- The hundreds position of the PIN should be the least of the hundreds position of the three input numbers
- The thousands position of the PIN should be the maximum of all the digits in the three input numbers

Example 1 -
input1 = 123
input2 = 582
input3 = 175
then, PIN = 8122

Example 2 -
input1 = 190
input2 = 267
input3 = 853
then, PIN = 9150

36
37
38
39
40

Use Custom In

Code Execution

0/8 - Graded Test

Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1

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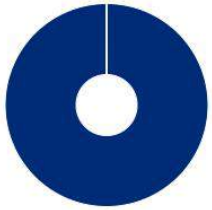
Finish Test

Remaining Time: 01:03:44



Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

Mercer | mettl

Sangeetha
LP_Practice_weightHillPattern / Saved: 30 seconds ago

1. Program

1

Question 1

Revisit Later

How to Attempt?

Weight of a hill pattern
Given,
the total levels in a hill pattern (input1),
the weight of the head level (input2), and
the weight increments of each subsequent level (input3),
you are expected to find the total weight of the hill pattern.

"Total levels" represents the number of rows in the pattern.
"Head level" represents the first row.
Weight of a level represents the value of each star (asterisk) in that row.

The hill patterns will always be of the below format, starting with 1 star at head level and increasing 1 star at each level till level N.
*
**
***
****
*****
******
. . .and so on till level N

Let us see a couple of examples.

Example1 -
Given,
the total levels in the hill pattern = 5 (i.e. with 5 rows)
the weight of the head level (first row) = 10
the weight increments of each subsequent level = 2
Then, The total weight of the hill pattern will be calculated as = 10 + (12+12) + (14+14+14) + (16+16+16+16) + (18+18+18+18+18) = 10 + 24 + 42 + 64 + 90 = 230

Example2 -
Given,
the total levels in the hill pattern = 4
the weight of the head level = 1
the weight increments of each subsequent level = 5
Then, Total weight of the hill pattern will be = 1 + (6+6) + (11+11+11) + (16+16+16+16) = 1 + 12 + 33 + 64 = 110

Use Custom In

Code Execution

0/8 - Graded Test

Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1

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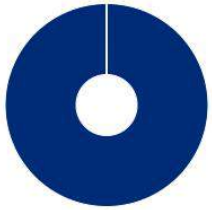
Finish Test

Remaining Time: 01:04:15



Your Test Summary

1 Total Questions

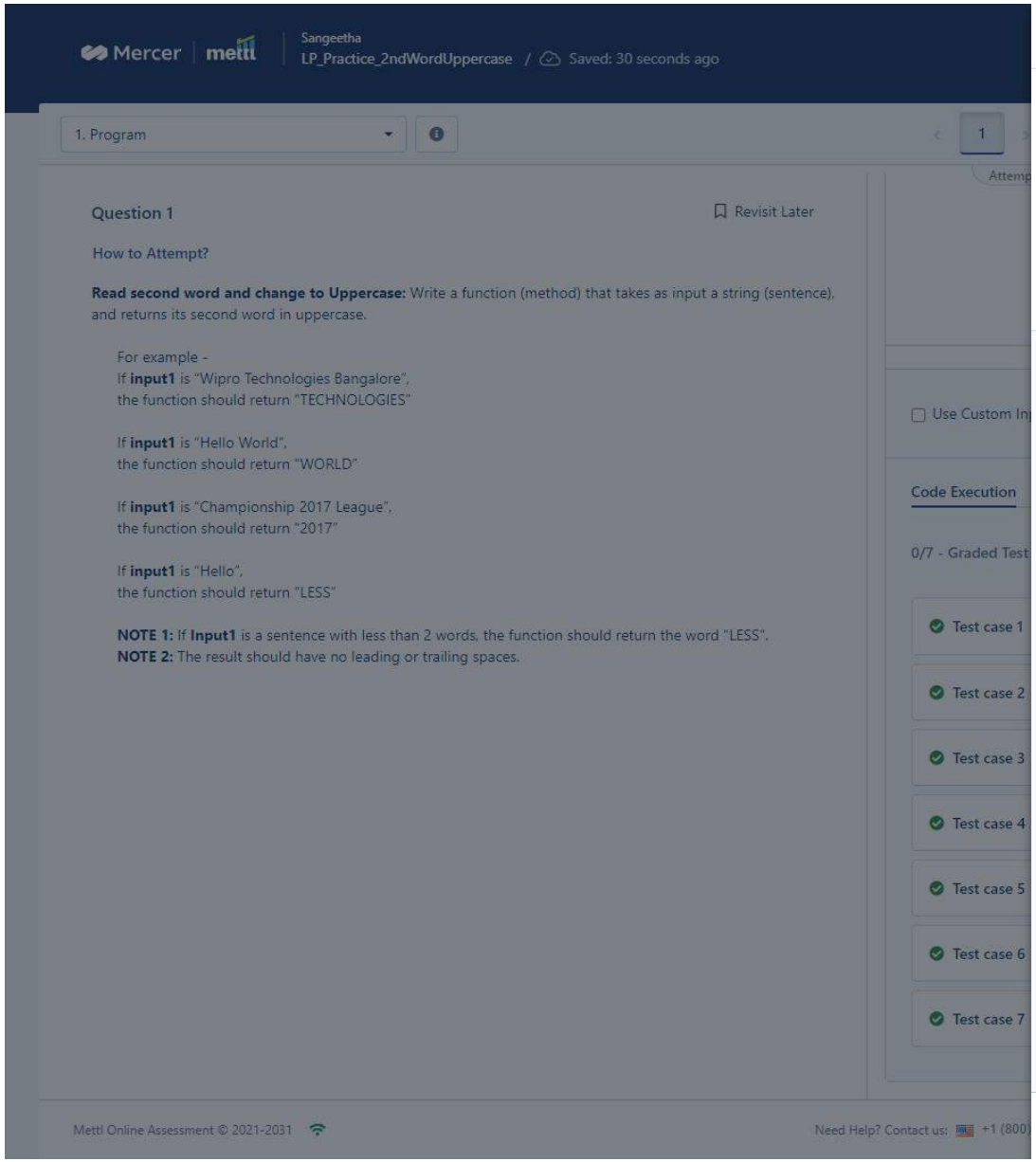
- Attempted: 1/1
- Marked for Revisit: 0/1
- Unattempted: 0/1

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test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Sangeetha
LP_Practice_2ndWordUppercase / Saved: 30 seconds ago
1. Program
1
Question 1
Revisit Later
How to Attempt?
Read second word and change to Uppercase: Write a function (method) that takes as input a string (sentence), and returns its second word in uppercase.
For example -
If input1 is "Wipro Technologies Bangalore",
the function should return "TECHNOLOGIES"
If input1 is "Hello World",
the function should return "WORLD"
If input1 is "Championship 2017 League",
the function should return "2017"
If input1 is "Hello",
the function should return "LESS"
NOTE 1: If Input1 is a sentence with less than 2 words, the function should return the word "LESS".
NOTE 2: The result should have no leading or trailing spaces.
Use Custom In
Code Execution
0/7 - Graded Test
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6
Test case 7
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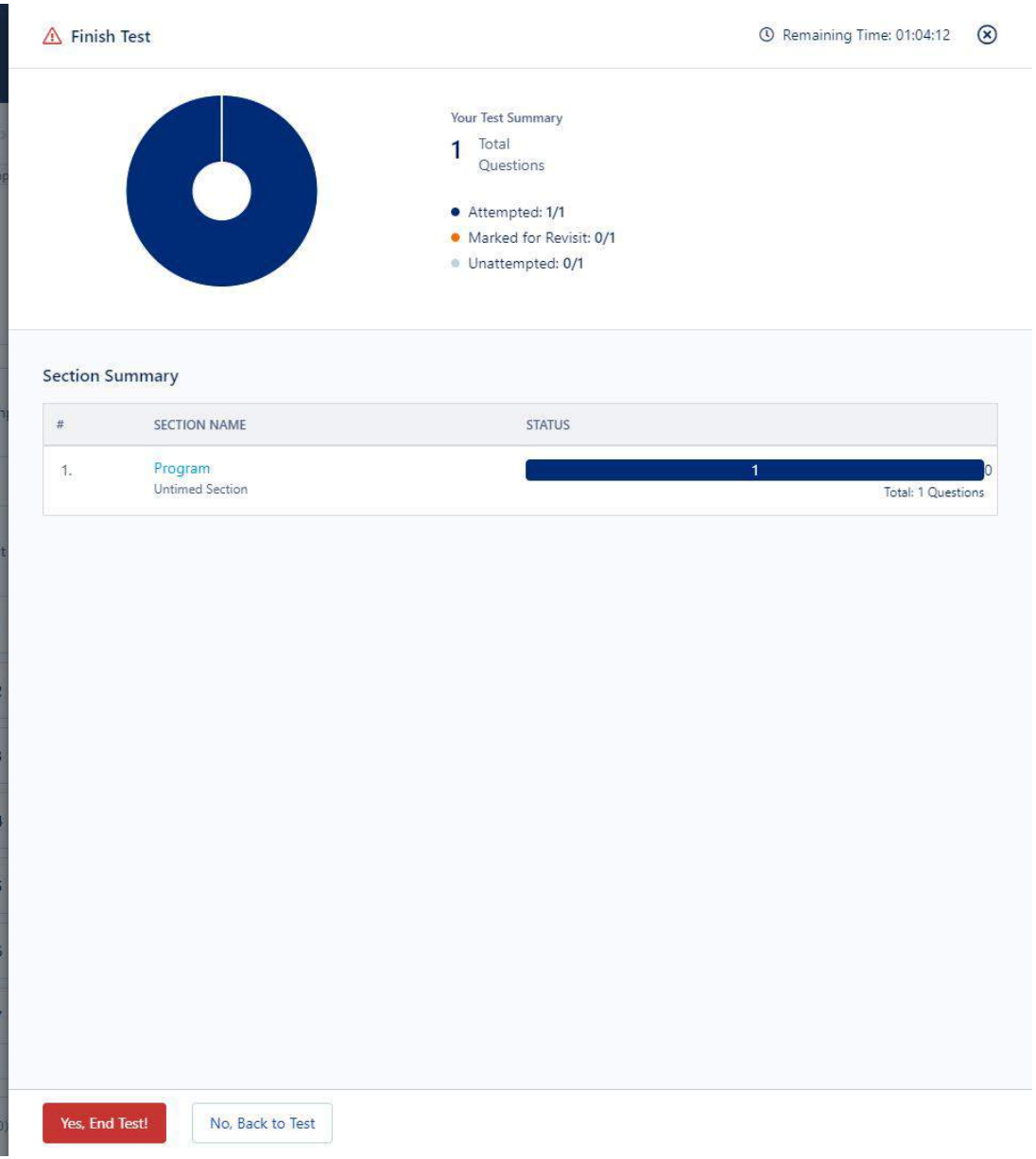
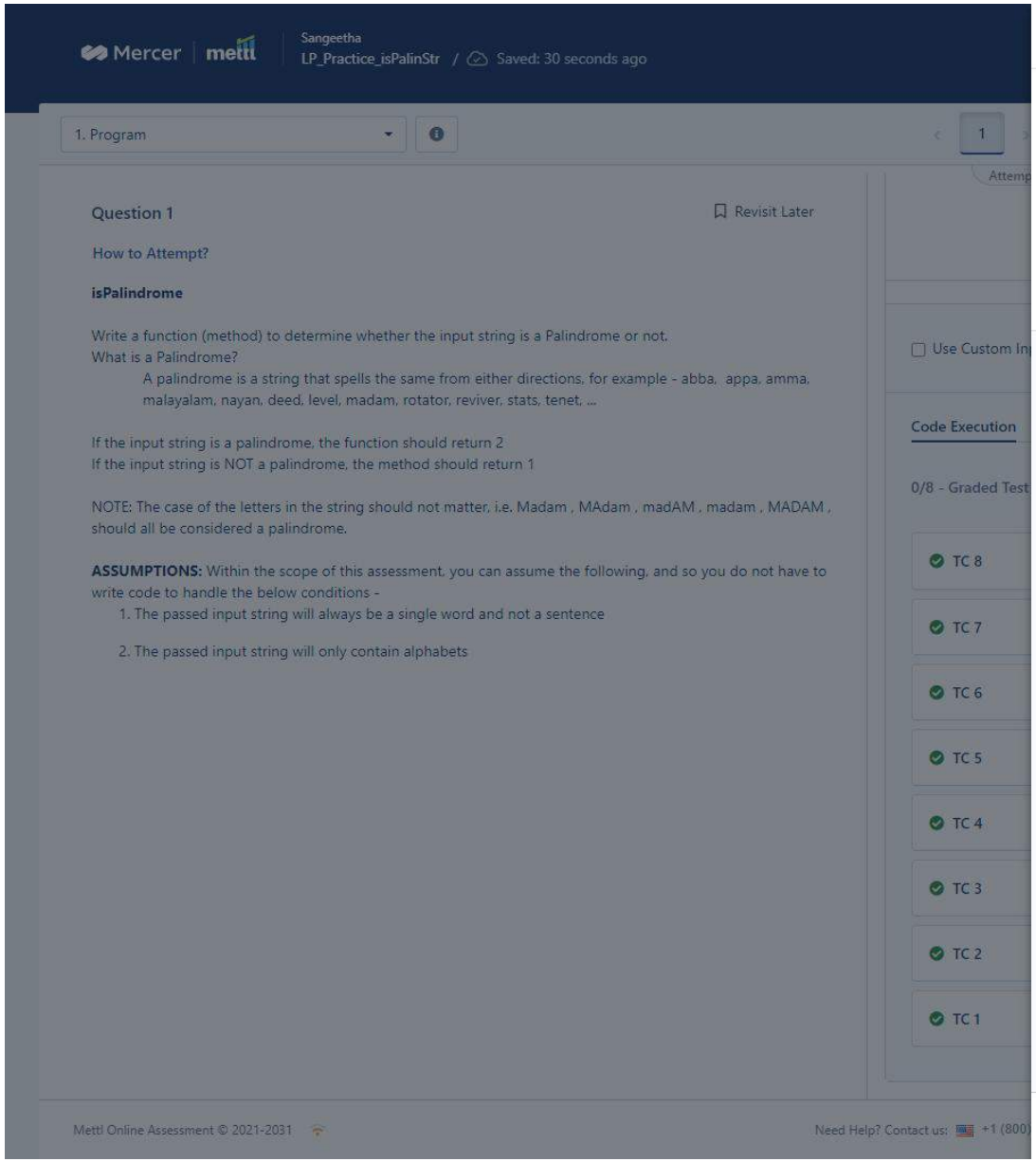

Finish Test
Remaining Time: 01:04:12
Your Test Summary
1 Total Questions
Attempted: 1/1
Marked for Revisit: 0/1
Unattempted: 0/1
Section Summary
SECTION NAME STATUS
1. Program
Untimed Section
1
0
Total: 1 Questions
Yes, End Test!
No, Back to Test



Finish Test

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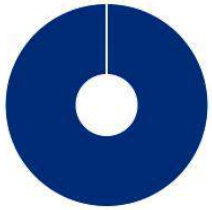

Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

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Sangeetha
LP_Practice_weightOfString / Saved: 60 seconds ago

1. Program

Question 1

Revisit Later

How to Attempt?

Weight of String: Write a function that takes a string as input and calculates the weight of the string as per rules mentioned below.

For calculating the weight of the string,

- Weight of all alphabetic characters that appear in the string should be added
- Weight of vowels that appear in the string should either be ignored OR added depending upon a specified option
- All non-alphabetic characters in the string should be ignored
- Weight of each letter is its position in the English alphabet system, i.e. weight of a=1, weight of b=2, weight of c=3, weight of d=4, and so on....weight of y=25, weight of z=26.
- Weight of Upper-Case and Lower-Case letters should be taken as the same, i.e. weight of A=a=1, weight of B=b=2, weight of C=c=3, and so on...weight of Z=z=26.

Example1:
Let us assume the word is "Hello World!!" and vowels are to be ignored.
Weight of "Hello World!!" = 8+0+12+12+0+0+23+0+18+12+4+0+0 = 89
Note: Note that weight of vowels is ignored. Also note that the weight of non-alphabetic characters such as space character and ! is taken as zero.

Example2:
Let us assume the word is "Hello World" and vowels are to be included.
Weight of "Hello World!!" = 8+5+12+12+15+0+23+15+18+12+4+0+0 = 124
Note: Note that weight of vowels is included. Also note that the weight of non-alphabetic characters such as space character and ! is taken as zero.

The function will accept two input parameters **input1** and **input2**,

42
43

Use Custom In

Code Execution

0/6 - Graded Test

TC1
TC2
TC3
TC4
TC5
TC6

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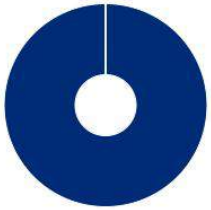
Remaining Time: 01:00:50



Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test

Sangeetha_LP_Pra....pdf | Sangeetha_LP_Pra....pdf | Sangeetha_LP_Pra....pdf | Sangeetha_LP_Pra....pdf | Sangeetha_LP_Pra....pdf | Sangeetha_LP_Pra....pdf

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Sangeetha
LP_Practice_MostFrequentDigit / Saved: 30 seconds ago

1. Program

1

Question 1

Revisit Later

How to Attempt?

Most Frequent Digit – You need to find which digit occurs most number of times across the four given input numbers.

The prototype of the function is:
int MostFrequentDigit (int input1, int input2, int input3, int input4);
where,
input1, **input2**, **input3** and **input4** are the four given input numbers.
The function is expected to find and return the most frequent digit.

Example1 –
If input1=123, input2=234, input3=345, input4=673
We see that across these four numbers,
1, 5, 6 and 7 occur once,
2 and 4 occur twice, and
3 occurs four times.
Therefore, 3 is the most frequent digit and so the function must return 3

NOTE: If more than a digit occurs the same number of *most* times, then the highest of those digits should be the result. Below example illustrates this.

Example2 –
If input1=123, input2=456, input3=345, input4=5043
We see that
0, 1, 2 and 6 occur once, and
3, 4 and 5 occur thrice.
As there are three digits (3, 4 and 5) that occur most number of times, the result will be the highest (max) digit out of these three. Hence, the result should be 5

Let us see couple of more examples -

Example3 –
If input1=1203, input2=7624, input3=2046, and input4=1052
The digit 2 occurs four times.
Therefore, the most frequent digit = 2

Example4 –
If input1=1203, input2=7624, input3=2046, and input4=1002
The digits 0 and 2 occurs four times. 2 is higher than 0.

Use Custom In

Code Execution

1/9 - Graded Test

Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6
Test case 7
Test case 8
Test case 9

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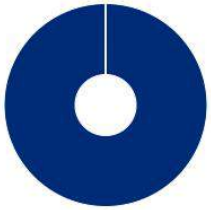
Remaining Time: 01:01:56



Your Test Summary

1 Total Questions

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

Section Summary

#	SECTION NAME	STATUS
1.	Program Untimed Section	1 0 Total: 1 Questions

Yes, End Test!

No, Back to Test