1. Program ▼ ⓘ

‹ 1 › ▦ 🖫

Attempted: 1/1

Question 1

⎗ Revisit Later

How to Attempt?

Find the Most Frequently Occurring Digit in a series of numbers.
Kamal is a data analyst in a lottery management organization.
One of the tasks assigned to Kamal is to find the Most Frequently Occurring Digit in a series of input numbers.
Below are a couple of examples to illustrate how to find the Most Frequently Occurring Digit in a series of input numbers.

Example1 –
If the series of input numbers are [1237, 262, 666, 140]
We notice that,
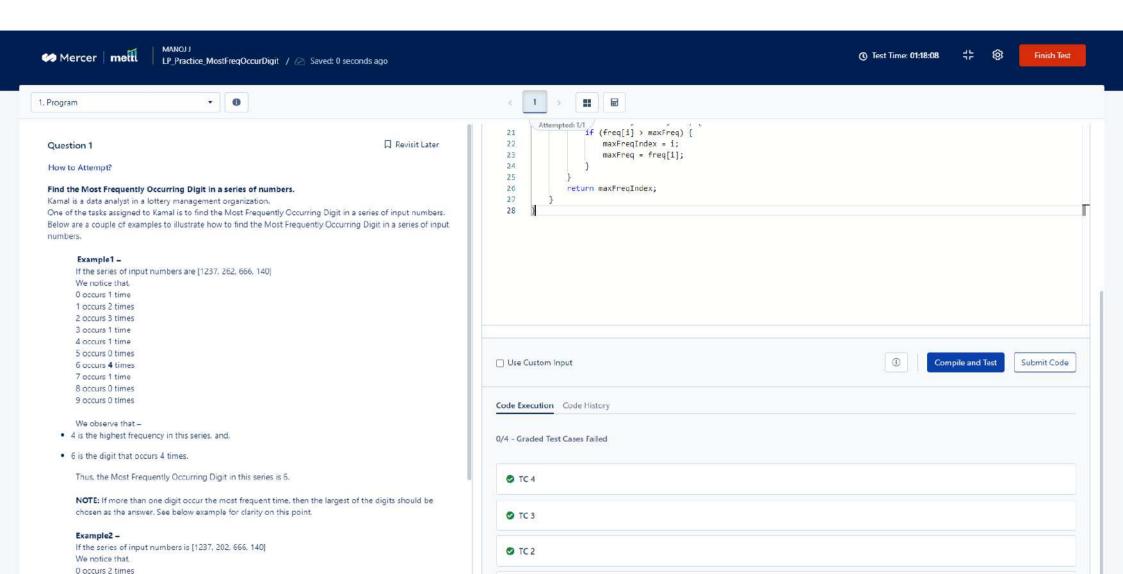0 occurs 1 time
1 occurs 2 times
2 occurs 3 times
3 occurs 1 time
4 occurs 1 time
5 occurs 0 times
6 occurs **4** times
7 occurs 1 time
8 occurs 0 times
9 occurs 0 times

We observe that –
- 4 is the highest frequency in this series, and,

- 6 is the digit that occurs 4 times.

Thus, the Most Frequently Occurring Digit in this series is 6.

NOTE: If more than one digit occur the most frequent time, then the largest of the digits should be chosen as the answer. See below example for clarity on this point.

Example2 –
If the series of input numbers is [1237, 202, 666, 140]
We notice that,
0 occurs 2 times
1 occurs 2 times
2 occurs **3** times
3 occurs 1 time
4 occurs 1 time
5 occurs 0 times

JAVA7 ▼   Compiler: Java - 1.7   ⟲ ☾ </> ⤢ ⋮

```java
1   import java.io.*;
2   import  java.util.*;
3
4   // Read only region start
5   class UserMainCode
6   {
7
8       public int mostFrequentlyOccurringDigit(int[] input1,int input2){
9           // Read only region end
10          // Write code here...
11
12          StringBui  int ip - UserMainCode.mostFrequentlyOccurringDigit(int[], int)
13          for (int ip : input1) input.append(ip);
14          int[] freq = new int[10];
15          for (int j = 0; j < input.length(); j++) {
16              freq[Integer.parseInt(String.valueOf(input.charAt(j)))]++;
17          }
18          int maxFreqIndex = 0;
19          int maxFreq = 0;
20          for (int i = 9; i >= 0; i--) {
21              if (freq[i] > maxFreq) {
22                  maxFreqIndex = i;
23                  maxFreq = freq[i];
24              }
25          }
26          return maxFreqIndex;
27      }
28  }
```

☐ Use Custom Input   ⓘ   **Compile and Test**   Submit Code

1. Program ▾   ⓘ

‹ 1 ›   ▦ ▥

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We notice that,
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Code Execution   Code History

0/2 - Sample Test Cases Failed

✓ Default   ∧

⊙ CODE EXECUTION DETAILS
Time: 623 ms
Memory: 103812 kb

</> TEST CASE INFORMATION
Input
{1237,202,666,140},4

Expected Output
6

Actual Output
6

>_ CONSOLE OUTPUT

🗎 STANDARD ERROR/WARNING
None

✓ Default   ∨

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1. Program

1   Attempted: 1/1

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21              if (freq[i] > maxFreq) {
22                  maxFreqIndex = i;
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Code Execution   Code History

0/4 – Graded Test Cases Failed

✔ TC 4

✔ TC 3

✔ TC 2

✔ TC 1