

LP_Practice_MostFrequentDigit

Ramya.V | 10 Feb 2023



Finish State: Normal

Test Taken on: February 10, 2023 12:10:00 PM IST



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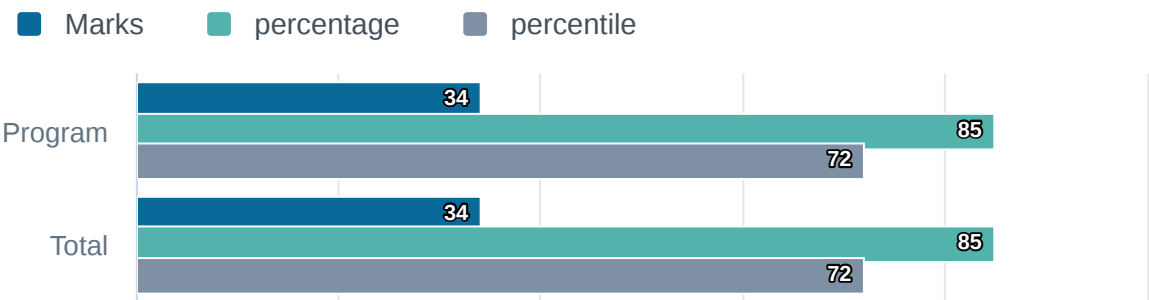
Overall Summary

34 Marks Scored
out of 40

85 % 71.51 percentile
out of 46984 Test Takers

8m 45s Time taken
of 1hr 5mins

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	0 Ques	0/0 Marks
Incorrect	0 Ques	0/0 Marks
Partially Correct	1 Ques	34/40 Marks
Not Attempted	0 Ques	0/0 Marks

Section-Wise Details

▼ Section 1 Program	question(s) 1 Q.	Time taken 8m 45s (Untimed)	Marks Scored 34 / 40
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Marks Scored



Attempt Summary

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




■ Partially Correct	1 Ques	34/40 Marks
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This shows the correctness of questions attempted by the test taker


Test Log

10th Feb 2023

- 11:59 AM



Started the test with Program
- 12:08 PM



Finished the test

About the Report

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1. Program

1

Attempted: 1/1

JAVA7

Compiler: Java - 1.7

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

```
1 import java.io.*;
2 import java.util.*;
3
4 // Read only region start
5 class UserMainCode
6 {
7
8     public int MostFrequentDigit(int input1,int input2,int input3,int input4){
9         // Read only region end
10        int arr[]={input1,input2,input3,input4};
11        int temp[]=new int[10];
12        int num;
13        for(int i=0;i<arr.length;i++)
14        {
15            num=arr[i];
16            while(num!=0)
17            {
18                int n=num%10;
19                temp[n]++;
20                num/=10;
21            }
22        }
23        int max=-1;
24        int x=0;
25        for(int i=0;i<temp.length;i++)
26        {
27            if(temp[i]>=max)
```

☐ Use Custom Input

①

Compile and Test

Submit Code

1. Program

1

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JAVA7

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11 int temp[]=new int[10];
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16     while(num!=0)
17     {
18         int n=num%10;
19         temp[n]++;
20         num/=10;
21     }
22     int max=-1;
23     int x=0;
24     for(int i=0;i<temp.length;i++)
25     {
26         if(temp[i]>=max)
27         {
28             max=temp[i];
29             x=i;
30         }
31     }
32     return x;
33 }
34 }
```

☐ Use Custom Input

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1

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U/1 - Attempted: 1/1 Tests Failed

✓ default

⌚ CODE EXECUTION DETAILS

Time: 229 ms

Memory: 103812 kb

⌌ TEST CASE INFORMATION

Input

123,234,345,673

Expected Output

3

Actual Output

3

>_ CONSOLE OUTPUT

📄 STANDARD ERROR/WARNING

None