

LP_Practice_MostFrequentDigit

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Test Taken on: August 18, 2019 04:47:39 PM IST
Finish State: Normal

Registration Details

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Overall Summary

MARKS SCORED

		 Score	 Percentile	 Percentage
Program	<div><div></div></div>	40 / 40	100	100
Total	<div><div></div></div>	40 / 40	100	100

Percentile is among 18394 candidate(s) who've taken this test.

SUMMARY OF ATTEMPTS



1 Correct
(Scored 40/40)

TIME TAKEN

0 hr	5 min
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Available time: 1 hr 5 min

TOTAL QUESTIONS

1

Section-wise Details

Program

MARKS SCORED		
	<div><div></div>Score</div>	<div><div>%</div>Percentage</div>
2017_LP_Mile01_Practice	40 / 40	100
Total	40 / 40	100

SUMMARY OF ATTEMPTS

1 Correct

(Scored 40/40)

TIME TAKEN

0

hr

5

min

This was untimed section.

TOTAL QUESTIONS

1

Question-wise Details

Program

Question 1:

Compilation: Successful

Time: 5 Min 48 Sec

Marks: 40/ 40

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 –

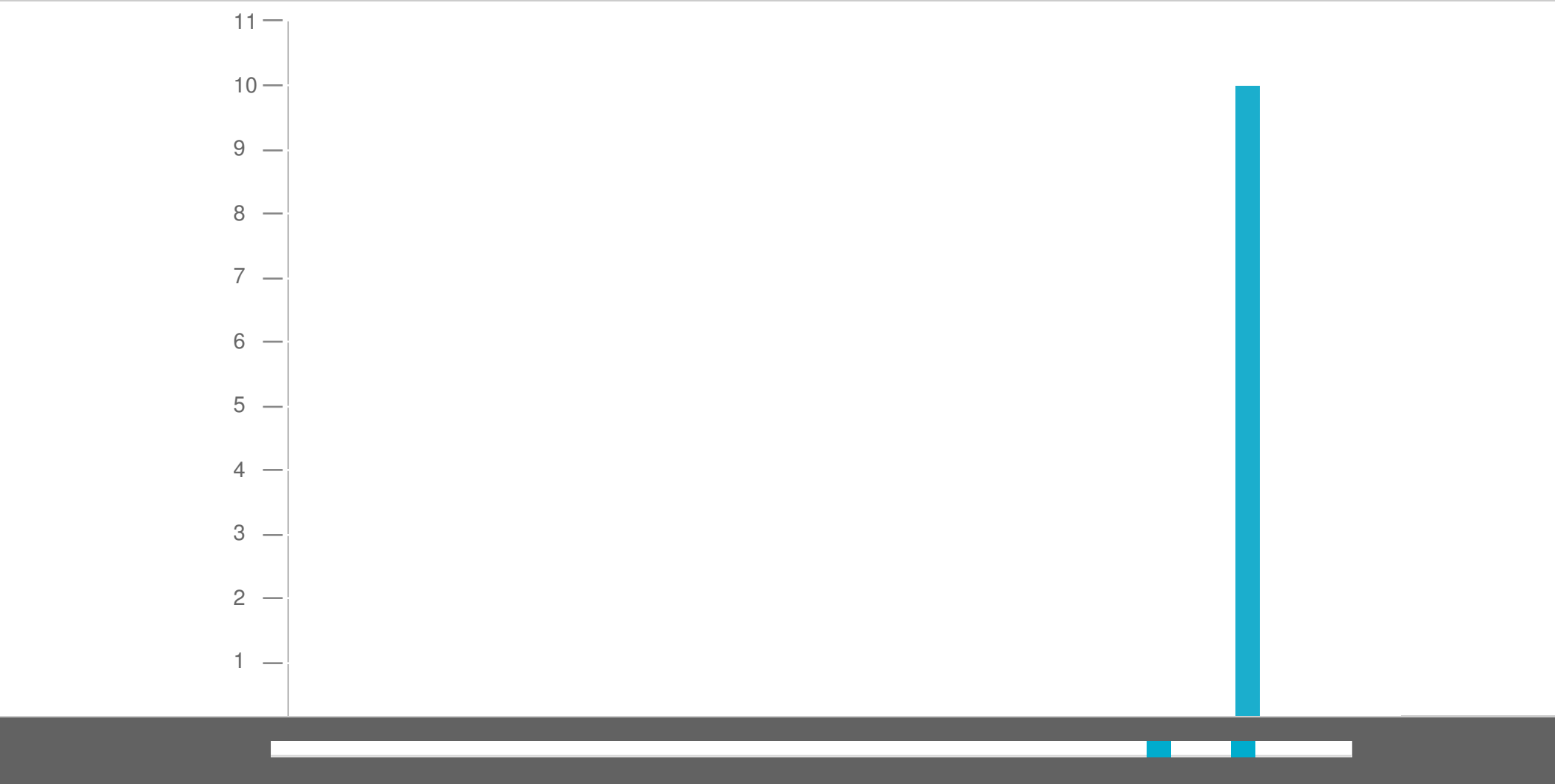
If input1=1203, input2=7624, input3=2046, and input4=1002

The digits 0 and 2 occurs four times. 2 is higher than 0.

Therefore, the most frequent digit = 2

<div>Compilation</div> <div></div> <div>Successful</div>	<div>Time Taken</div> <div>05</div> <div>Minutes 48 Seconds</div>	<div>Marks Scored</div> <div>40</div> <div>Out of 40</div>	<div>Language</div> <div></div> <div>JAVA7</div>
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```
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        // Write code here...
11        int arr[]=new int[10];
12        String
s=String.valueOf(input1)+String.valueOf(input2)+String.valueOf(input3)+String.valueOf(inp
ut4);
13        char ch[]=s.toCharArray();
14        int max=0,m=0;
15        for(char c:ch)
16        {
17            int a=Character.getNumericValue(c);
18            arr[a]++;
19        }
20        for(int i=0;i<10;i++)
21        {
22            if(arr[i]>=max)
23            {
24                max=arr[i];
25                m=i;
26            }
27        }
28        return m;
29    }
30 }
```



Code compilation : 2 Successful 2 Attempts | Code complexity  : 0

Total no. of Testcase : 10 | Total Passed : 10

Test case	Marks	Cpu (ms)	Processing (ms)	Memory (KB)	Inputs	Expected output	Actual output
default	0	0	147	103732	123, 234, 345, 67 3	3	3
Test case 1	6	0	250	102324	123, 456, 789, 0	9	9
Test case 2	4	0	284	103732	12, 34, 56, 7	7	7
Test case 3	4	0	447	103732	111, 11, 1111, 1	1	1
Test case 4	4	0	272	103732	11, 1, 111, 1	1	1
Test case 5	4	0	240	103732	123, 456, 789, 12 3	3	3
Test case 6	4	0	278	103732	12, 34, 56, 127	2	2
Test case 7	4	0	252	103732	1223, 1334, 1445 , 1554	4	4
Test case 8	4	0	225	103732	122, 133, 144, 15 4	1	1
Test case 9	6	0	428	103732	0, 56, 7009, 8653 9	0	0

Test Log

18 Aug,2019

04:41 pm Started the test with Program
04:47 pm Finished the test

