

Online Test Window

tests.mettl.com/v2/test-window/open/0/0?key=a05abbcf

Mercermettl

YUKESH R M
LP_Practice_digitSumEvenOdd / Saved: 0 seconds ago

Test Time: 01:02:05

Finish Test

1. Program

Question 1

How to Attempt?

Even OR Odd Digits' Sum:

In mathematics, the "digit sum" of a given integer is the sum of all its digits, e.g.
the digit sum of 84001 is calculated as 8+4+0+0+1 = 13,
the digit sum of 158 is 1+5+8 = 14.

Rohan's teacher has asked him to write a function (method) that takes as input a positive number and performs digitSum of either only the even digits or only the odd digits in the given number, based on the option "even" or "odd".
The function will take two input parameters -
- the first parameter will be an integer number representing the number whose digitSum needs to be found
- the second parameter will be a string representing the option, which will be either "even" or "odd"

Example 1: If the given number is 9625, and the option is "odd", we must add only the odd digits, i.e. 9+5 = 14
Example 2: If the given number is 2134, and the option is "even", we must add only the even digits, i.e. 2+4 = 6

Assumptions:

- The input number (input1) will be a positive integer number >= 1 and <= 25000.
- The input string (input2) will always be either "even" or "odd"

Revisit Later

Attempted: 1/1

JAVA8

Compiler: Java - 1.8

```
1 import java.io.*;
2 import java.util.*;
3
4 // Read only region start
5 class UserMainCode
6 {
7
8     public int EvenOddDigitsSum(int input1,String input2){
9         // Read only region end
10         int evenSum = 0;
11         int totalSum = 0;
12
13         while (input1 != 0) {
14             int digit = input1 % 10;
15             totalSum += digit;
16             if (digit % 2 == 0) evenSum += digit;
17             input1 /= 10;
18         }
19
20         if (input2.equals("even")) return evenSum;
21         else return totalSum - evenSum;
22     }
23 }
```

☐ Use Custom Input

Compile and Test

Submit Code

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1. Program

1

Attempted: 1/1

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Default 2

CODE EXECUTION DETAILS

Time: 179 ms

Memory: 103812 kb

TEST CASE INFORMATION

Input

108,even

Expected Output

8

Actual Output

8

CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

Default 1

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1. Program

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Question 1

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How to Attempt?

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In mathematics, the "digit sum" of a given integer is the sum of all its digits, e.g.
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Assumptions:
- The input number (input1) will be a positive integer number ≥ 1 and ≤ 25000 .
- The input string (input2) will always be either "even" or "odd"

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: 01:01:48

Your Test Summary

1 Total Questions

Attempted: 1/1

Marked for Revisit: 0/1

Unattempted: 0/1

Section Summary

#	SECTION NAME	STATUS
1.	<div>Program</div> <div>Untimed Section</div>	<div><div>10</div><div>Total: 1 Questions</div></div>

Yes, End Test!

No, Back to Test