

1. Program






< 1 >



Attempted: 1/1

JAVA8

Compiler: Java - 1.8

Question 1

 Revisit Later

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"

```
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         // Write code here...
11         int sum=0;
12         if(input2.equals("even"))
13         {
14             while(input1!=0)
15             {
16                 int n=input1%10;
17                 if(n%2==0)
18                     sum+=n;
19                 input1/=10;
20             }
21         }
22         else
23         {
24             while(input1!=0)
25             {
26                 int n=input1%10;
27                 if(n%2!=0)
28                     sum+=n;
29                 input1/=10;
30             }
31         }
32         return sum;
33     }
34 }
```

☐ Use Custom Input

Compile and Test

Submit Code

Mercer

mettl

sujaana

LP_Practice_digitSumEvenOdd / Saved: 30 seconds ago

1. Program

1

Question 1

Revisit Later

How to Attempt?

Even OR Odd Digits' Sum:

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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"

Use Custom Input

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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Need Help? Contact us: +1 (800)

Finish Test

Remaining Time: 01:03:00

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	<div>1</div> <div>Total: 1 Questions</div>

Yes, End Test!

No, Back to Test