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All Contests > stage_2 > Count the prime number

Count the prime number   🔒 locked

Problem	Submissions	Leaderboard	Discussions

In this program, your task is to count the prime number(single digit) in a number.Consider 1 is a prime number.

Example:

Input: 1427

Output: 3

Explanation: 1, 2 and 7 are prime numbers(Single digit prime numbers).

Input Format

N -> Integer.

Constraints

$1<=N<=100000$

Output Format

print the count.

Sample Input 0

    145267

Sample Output 0

    4

Sample Input 1

    3249

Sample Output 1

    2

f 𝕏 in

Submissions: 92
Max Score: 100
Difficulty: Medium

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More

[C   ⌄]   ⛶   ⚙

```
 1  #include <stdio.h>
 2  #include <string.h>
 3  #include <math.h>
 4  #include <stdlib.h>
 5
 6  int main() {
 7
 8      /* Enter your code here. Read input from STDIN. Print output to STDOUT */
 9      int n,sum=0,temp;
10      scanf("%d",&n);
11      while(n)
12      {
13          temp=n%10;
14          if(temp==1 || temp==2 || temp==3 || temp==5 || temp==7)
15              sum++;
16          n=n/10;
17      }
18      printf("%d",sum);
19      return 0;
20  }
21
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code

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