Problem List

Description | Accepted | Editorial | Solutions | Submissions

# 3581. Count Odd Letters from Number

Solved

Premium

Easy | Topics | Hint

You are given an integer `n` perform the following steps:

- Convert each digit of `n` into its *lowercase English word* (e.g., 4 → "four", 1 → "one").
- **Concatenate** those words in the **original digit order** to form a string `s`.

Return the number of **distinct** characters in `s` that appear an **odd** number of times.

**Example 1:**

**Input:** `n = 41`

**Output:** 5

**Explanation:**

41 → `"fourone"`

Characters with odd frequencies: `'f'`, `'u'`, `'r'`, `'n'`, `'e'`. Thus, the answer is 5.

**Example 2:**

**Input:** `n = 20`

**Output:** 5

**Explanation:**

20 → `"twozero"`

Characters with odd frequencies: `'t'`, `'w'`, `'z'`, `'e'`, `'r'`. Thus, the answer is 5.

**Constraints:**

- `1 <= n <= 10^9`

Seen this question in a real interview before? 1/5

Yes No

Accepted 1,087/1.3K | Acceptance Rate 84.9%

Topics

Hint 1

Discussion (3)



8 3 0 Online

Submit

Code

Python3 • Auto

```python
def countOddLetters(self, n: int) -> int:

    dictx = {0: "zero", 1: "one", 2: "two", 3: "three", 4: "four", 5: "five", 6: "six", 7: "seven", 8: "eight", 9: "nine"}

    res = ""

    for each in str(n):
        res += dictx[int(each)]

    dictz = {}

    for word in res:
        if word not in dictz.keys():
            dictz[word] = 1
        else:
            dictz[word] += 1

    count = 0

    for key, value in dictz.items():
        if value % 2 != 0:
            count += 1
```

Saved

Ln 12, Col 1

Testcase | Test Result

Accepted Runtime: 0 ms

Case 1 Case 2

Input

n =
41

Output

5

Expected