Problem Editorial Submissions Comments

Prime Number

Difficulty: **Easy** Accuracy: **22.2%** Submissions: **443K+** Points: **2**

Given a number **n**, determine whether it is a **prime number** or not.
Note: A prime number is a number greater than 1 that has no positive divisors other than 1 and itself.

Examples :

Input: n = 7
Output: true
Explanation: 7 has exactly two divisors: 1 and 7, making it a prime number.

Input: n = 25
Output: false
Explanation: 25 has more than two divisors: 1, 5, and 25, so it is not a prime number.

Input: n = 1
Output: false
Explanation: 1 has only one divisor (1 itself), which is not sufficient for it to be considered prime.

Constraints:
$1 \leq n \leq 10^9$

Try more examples

Expected Complexities

Python3 Start Timer

```python
class Solution:
    def isPrime(self, n):
        temp = True

        if n==1:
            return False
        for i in range(n//2,1,-1):
            if n % i ==0:
                return False
        return True
```