

Description

Solution

Discuss (999+)

Submissions

367. Valid Perfect Square

Easy

2144

228

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Given a **positive** integer *num*, write a function which returns True if *num* is a perfect square else False.

Follow up: Do not use any built-in library function such as `sqrt` .

Example 1:

Input: num = 16
Output: true

Example 2:

Input: num = 14
Output: false

Constraints:

- `1 <= num <= 2^31 - 1`

Accepted 349,837 Submissions 814,512

Seen this question in a real interview before?

Yes

No

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```
1 class Solution {
2     public boolean isPerfectSquare(int num) {
3
4         int low = 0;
5         int high = 46340;
6
7         while(low <= high){
8
9             int mid = low + (high - low) / 2;
10
11             if(mid * mid == num)
12                 return true;
13             else if(mid * mid < num)
14                 low = mid + 1;
15             else
16                 high = mid - 1;
17
18         }
19
20         return false;
21     }
22 }
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

16

Output

true

 Diff

Expected

true