

## Sqrt(x)

Question

Solution

My Submissions (/problems/sqrtx/submissions/)

Total Accepted: **66910** Total Submissions: **284377** Difficulty: **Medium**Implement `int sqrt(int x)`.Compute and return the square root of `x`.

Show Tags

Show Similar Problems

Have you met this question in a real interview?  [Discuss \(/discuss/questions/oj/sqrtx\)](/discuss/questions/oj/sqrtx)

Python ▼



```
1 class Solution(object):
2     def mySqrt(self, x):
3         """
4         :type x: int
5         :rtype: int
6         """
7         left=0
8         right = 46340 if 46340<x else x
9         while left < right:
10             mid = left+(right-left)/2
11             if mid*mid == x:return mid
12             elif mid*mid > x: right = mid-1
13             else:left = mid+1
14         return left-1 if left*left>x else left
```

Custom Testcase ☐

Run Code

Submit Solution

☒ Send Feedback (mailto:admin@leetcode.com?subject=Feedback)

## Submission Result: Accepted (/submissions/detail/41449086/)

More Details ➤ (/submissions/detail/41449086/)

Next challenges: (M) Two Sum II - Input array is sorted (/problems/two-sum-ii-input-array-is-sorted/)

(E) Excel Sheet Column Title (/problems/excel-sheet-column-title/)

(E) Count Primes (/problems/count-primes/)

Share your acceptance!

---

Frequently Asked Questions (/faq/) | Terms of Service (/tos/)

[Privacy](#)

Copyright © 2015 LeetCode