



Problem List



Run



Submit



Description



Accepted X



Editorial



Solutions



Submissions

## 69. Sqrt(x)

Easy



Topics



Companies



Hint

Given a non-negative integer  $x$ , return *the square root of  $x$  rounded down to the nearest integer*. The returned in **negative** as well.

You **must not use** any built-in exponent function or operator.

- For example, do not use `pow(x, 0.5)` in c++ or `x ** 0.5` in python.

### Example 1:

Input:  $x = 4$

Output: 2

Explanation: The square root of 4 is 2, so we return 2.

### Example 2:

Input:  $x = 8$

Output: 2

Explanation: The square root of 8 is 2.82842..., and since we round it down to the nearest integer, 2 is returned.

### Constraints:

- $0 \leq x \leq 2^{31} - 1$

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

Yes

No

Accepted 2.2M

Submissions 5.5M

Acceptance Rate 39.4%



8.3K



235

