

## 69. Sqrt(x)

Easy

 Topics

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 Hint

Given a non-negative integer  $x$ , return *the square root of  $x$  rounded down to the nearest integer*. The returned integer should be **non-nega**

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,

### Constraints:

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

Seen this question in a real interview before? 1/4

Yes No

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 Hint 1

 Hint 2

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