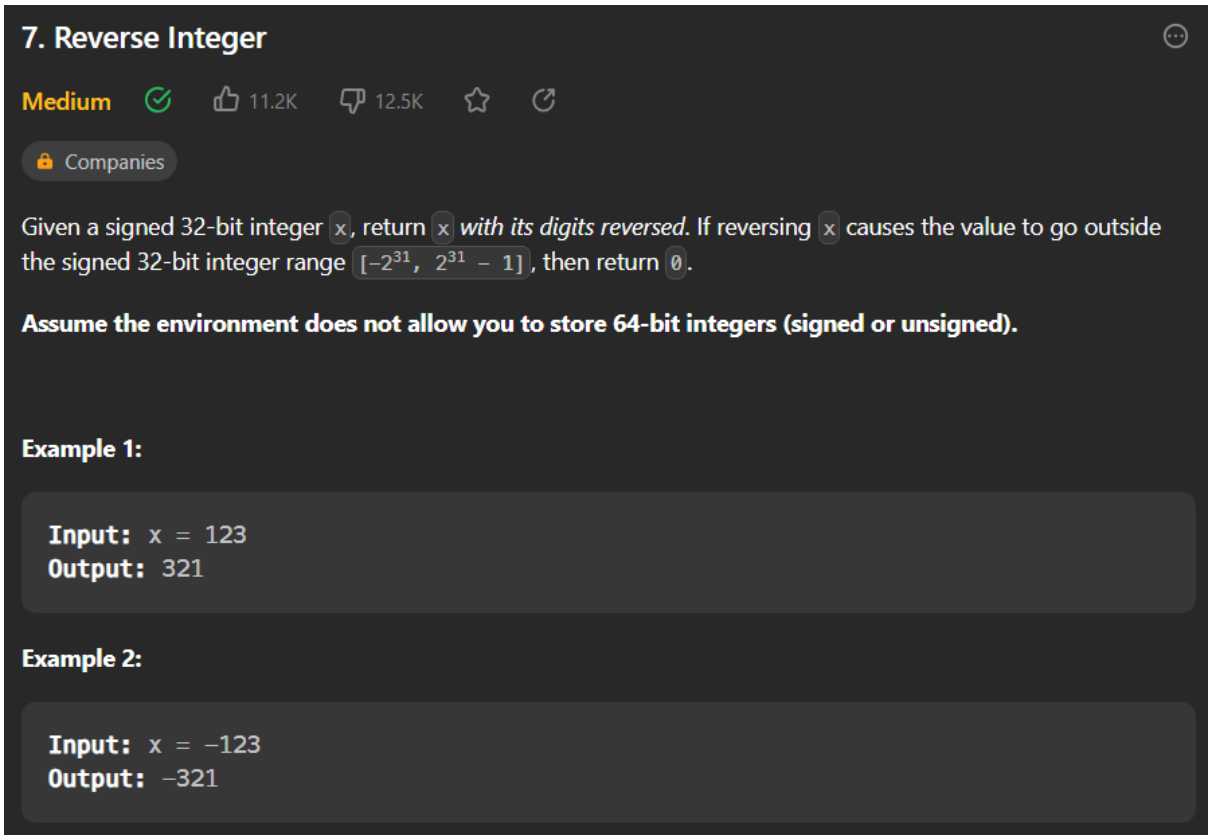
LEETCODE SOLUTIONS - YOGESH MUNEES



7. Reverse Integer

Medium 11.2K 12.5K

Companies

Given a signed 32-bit integer `x`, return `x` *with its digits reversed*. If reversing `x` causes the value to go outside the signed 32-bit integer range `[-2^31, 2^31 - 1]`, then return `0`.

Assume the environment does not allow you to store 64-bit integers (signed or unsigned).

Example 1:

```
Input: x = 123
Output: 321
```

Example 2:

```
Input: x = -123
Output: -321
```

Solution:

```python
import math
class Solution:
    def reverse(self, x: int) -> int:
        num = 0
        flag = 0
        if x > 2**31-1 or x < -2**31:
            return 0
        if x < 0:
            flag=1
            x = abs(x)
        while(x > 0):
            length = (int)(math.log10(x))
            rem = x%10
            x = x // 10
            num += rem * (10**length)
        if num > 2**31-1 or num < -2**31:
            return 0
        if flag == 0:
            return num
        else:
            return 0-num
```