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C#

## 7. Reverse Integer

Easy

2349

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Given a 32-bit signed integer, reverse digits of an integer.

### Example 1:

Input: 123

Output: 321

### Example 2:

Input: -123

Output: -321

### Example 3:

Input: 120

Output: 21

### Note:

Assume we are dealing with an environment which could only store integers within the 32-bit signed integer range:  $[-2^{31}, 2^{31} - 1]$ . For the purpose of this problem, assume that your function returns 0 when the reversed integer overflows.

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Seen this question in a real interview before?

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```
1 public class Solution {
2     public int reverse(int x) {
3         if (x == 0) return 0;
4         int result = 0;
5         while (x != 0) {
6             int pop = x % 10;
7             x /= 10;
8             if ((result > Integer.MAX_VALUE / 10) ||
9                 (result == Integer.MAX_VALUE / 10 && pop > 7)) return 0;
10            result = result * 10 + pop;
11        }
12        return result;
13    }
14 }
15
16
17
18
19
20
```

Your previous code was res

Console

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Run Code