**[Reverse Integer](https://leetcode.com/problems/reverse-integer/)**

CODE:

class Solution:

    def reverse(self, x: int) -> int:

        sign = [1, -1][x < 0]

        rev, x = 0, abs(x)

        while x:

            x, mod = divmod(x, 10)

            rev = rev \* 10 + mod

            if rev > 2\*\*31 - 1:

                return 0

        return sign \* rev