Given an integer x, return true if x is palindrome integer.

An integer is a palindrome when it reads the same backward as forward.

* For example, 121 is a palindrome while 123 is not.

Example 1:

Input: x = 121

Output: true

Explanation: 121 reads as 121 from left to right and from right to left.

Example 2:

Input: x = -121

Output: false

Explanation: From left to right, it reads -121. From right to left, it becomes 121-. Therefore it is not a palindrome.

Example 3:

Input: x = 10

Output: false

Explanation: Reads 01 from right to left. Therefore it is not a palindrome.

Constraints:

* -231 <= x <= 231 - 1

Follow up: Could you solve it without converting the integer to a string?