Given an integer x, return true *if* x *is a*

***palindrome***

*, and* false *otherwise*.

**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?