9. Palindrome Number

Total Accepted: **166151**   Total Submissions: **491530**   Difficulty: **Easy**   Contributors: **Admin**

Determine whether an integer is a palindrome. Do this without extra space.

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Notes

C++

```cpp
class Solution {
public:

    bool isPalindrome(int x) {

        //here is https://discuss.leetcode.com/topic/8090/9-line-accepted-java-code-without-the-need-of-handling-overflow
        if(x < 0 || (x!=0 && x%10 ==0)) return false;
        int rev = 0;
        while(x > rev) {
            rev = rev*10 + x%10;
            x = x/10;
        }
        return rev==x || x == rev/10;


        // myanswer is wrong, it cannot handle 100021 situation!!!
        //
        // cout<<x << endl;
        // if(x < 0) return false;
        // else if(x < 10) return true;
        // int factor = 1;
        // while(x / factor >= 10) {
        //     factor *= 10;
        // }
        // if((x%10) != (x/factor)) return false;
        // else return isPalindrome((x%factor)/10);
    }
};
```

Custom Testcase ☐

Run Code   Submit Solution