

Day-2

1. Palindrome Number(LeetCode 9)

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:

$-2^{31} \leq x \leq 2^{31} - 1$

2. Find the Index of the First Occurrence in a String(LeetCode 28)

Given two strings needle and haystack, return the index of the first occurrence of needle in haystack, or -1 if needle is not part of haystack.

Example 1:

Input: haystack = "sadbutsad", needle = "sad"

Output: 0

Explanation: "sad" occurs at index 0 and 6.

The first occurrence is at index 0, so we return 0.

Example 2:

Input: haystack = "leetcode", needle = "leeto"

Output: -1

Explanation: "leeto" did not occur in "leetcode", so we return -1.

Constraints:

$1 \leq \text{haystack.length}, \text{needle.length} \leq 104$

haystack and needle consist of only lowercase English characters.