28. Implement strStr()

Easy

Implement [strStr()](http://www.cplusplus.com/reference/cstring/strstr/).

Return the index of the first occurrence of needle in haystack, or **-1** if needle is not part of haystack.

**Example 1:**

**Input:** haystack = "hello", needle = "ll"  
**Output:** 2

**Example 2:**

**Input:** haystack = "aaaaa", needle = "bba"  
**Output:** -1

**Clarification:**

What should we return when needle is an empty string? This is a great question to ask during an interview.

For the purpose of this problem, we will return 0 when needle is an empty string. This is consistent to C's [strstr()](http://www.cplusplus.com/reference/cstring/strstr/) and Java's [indexOf()](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html#indexOf(java.lang.String)).

int strStr(char\* haystack, char\* needle) {

return strstr(haystack,needle)==NULL?-1:strstr(haystack,needle)-haystack;

}

Success

[Details](https://leetcode.com/submissions/detail/205578203/)

Runtime: 0 ms, faster than 100.00% of C online submissions for Implement strStr().

Memory Usage: 806.9 KB, less than 88.89% of C online submissions for Implement strStr().