**Implement StrStr**

<https://leetcode.com/explore/learn/card/array-and-string/203/introduction-to-string/1161/>

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

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.

**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)).

**Example 1:**

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

**Output:** 2

**Example 2:**

**Input:** haystack = "aaaaa", needle = "bba"

**Output:** -1

**Constraints:**

* 1 <= haystack.length, needle.length <= 104
* haystack and needle consist of only lowercase English characters.