Find the Index of the First Occurrence in a String

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

Solution

public class Solution {

    public int StrStr(string haystack, string needle) {

        bool check = haystack.Contains(needle);

        int ans = check? 0 : -1;

        if(check){

            ans = haystack.IndexOf(needle);

        }

        return ans;

    }

}