28. Find the Index of the First Occurrence in a String

Solved ✓

`Easy`   🏷 `Topics`   🔒 `Companies`

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 <= 10^4`
- `haystack` and `needle` consist of only lowercase English characters.

Accepted

aldejr14 submitted at Aug 03, 2024 16:27

📖 Editorial   ✍ Solution

🕐 Runtime

6 ms | Beats **96.79%** 🌱

✦ Analyze Complexity

⚙ Memory

11.61 MB | Beats **46.09%**

Code | Python

```python
class Solution(object):
    def strStr(self, haystack, needle):
        try:
            return haystack.index(needle)
        except:
            return -1
```

Accepted

aldejr14 submitted at Aug 03, 2024 16:27

🕐 Runtime

6 ms | Beats **96.79%** 🥦

⚙ Memory

11.61 MB | Beats **46.09%**

✦ Analyze Complexity

Code | Python

```python
class Solution(object):
    def strStr(self, haystack, needle):
        try:
            return haystack.index(needle)
        except:
            return -1
```