Find the First occurrence in a string

28. 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

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.

$$m=9-1=8$$
 $n=3-1=> 2$
 $81=$ "sad but sad"
 $92=$ "Sad"
 912 "Sad"

Jon (i:
$$0 \rightarrow m$$
)

Jon (j: $0 \rightarrow m$)

 $j(b|E|+j) = b2Ej$)

by eatt;

 $j(j==n)$ yetunn i;

$$j=0$$

$$j=0$$

$$(s1E0+3)=S2E0) False$$

$$j=1$$

$$(S1E17)=S2(13) False$$

$$j=2(S1E23)=S2E13) False$$
Since $(j=n)$ Scetus $j=1/2$

Code