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771. Jewels and Stones

Notes

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You're given strings *J* representing the types of stones that are jewels, and *S* representing the stones you have. Each character in *S* is a type of stone you have. You want to know how many of the stones you have are also jewels.

The letters in *J* are guaranteed distinct, and all characters in *J* and *S* are letters. Letters are case sensitive, so "a" is considered a different type of stone from "A" .

Example 1:

Input: J = "aA", S = "aAAbbbb"
Output: 3

Example 2:

Input: J = "z", S = "ZZ"
Output: 0

Note:

- *S* and *J* will consist of letters and have length at most 50.
- The characters in *J* are distinct.

Seen this question in a real interview before?



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Java ▼



```
1 class Solution {
2     public int numJewelsInStones(String J, String S) {
3         boolean[] flags = new boolean[128];
4         for (char ch : J.toCharArray()) {
5             flags[ch - 'A'] = true;
6         }
7
8         int count = 0;
9         for (char ch : S.toCharArray()) {
10             if (flags[ch - 'A']) {
11                 count++;
12             }
13         }
14         return count;
15     }
16 }
```

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Notes

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Check out our solution! [Reveal Solution](#) (/articles/jewels-and-stones/)