

14. Longest Common Prefix

Easy 4800 2354 Add to List Share

Write a function to find the longest common prefix string amongst an array of strings.

If there is no common prefix, return an empty string "".

Example 1:

Input: strs = ["flower","flow","flight"]
Output: "fl"

Example 2:

Input: strs = ["dog","racecar","car"]
Output: ""
Explanation: There is no common prefix among the input strings.

Constraints:

- 1 <= strs.length <= 200
- 0 <= strs[i].length <= 200
- strs[i] consists of only lower-case English letters.

Accepted 1.1M Submissions 3M

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```

1 class Solution:
2     def longestCommonPrefix(self, strs):
3         """
4         :type strs: List[str]
5         :rtype: str
6         """
7         if not strs:
8             return ""
9         shortest = min(strs, key=len)
10        for i, ch in enumerate(shortest):
11            for other in strs:
12                if other[i] != ch:
13                    return shortest[:i]
14        return shortest
    
```

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Accepted Runtime: 58 ms

Your input ["flower","flow","flight"]

Output "fl"

Expected "fl"

Diff