

# Problem 14: Longest Common Prefix

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 46.53%

**Paid Only:** No

**Tags:** Array, String, Trie

## Problem Description

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 lowercase English letters if it is non-empty.

## Code Snippets

**C++:**

```
class Solution {
public:
    string longestCommonPrefix(vector<string>& strs) {
```

```
}  
};
```

### Java:

```
class Solution {  
    public String longestCommonPrefix(String[] strs) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def longestCommonPrefix(self, strs: List[str]) -> str:
```