## 

## Constraints:

- 1 <= strs.length <= 200
- 0 <= strs[i].length <= 200
- strs[i] consists of only lowercase English letters if it is non-empty.

## Java

```
class Solution {
  public String longestCommonPrefix(String[] strs) {
    if (strs == null || strs.length == 0) return "";

  // Take the first string as the initial prefix
  String prefix = strs[0];

  // Compare with every other string
  for (int i = 1; i < strs.length; i++) {
      // Reduce prefix until it matches the beginning of strs[i]
      while (strs[i].indexOf(prefix) != 0) {
          prefix = prefix.substring(0, prefix.length() - 1);
    }
}</pre>
```

```
// If prefix becomes empty, no common prefix
          if (prefix.isEmpty()) {
             return "";
          }
        }
     return prefix;
JavaScript
* @param {string[]} strs
* @return {string}
var longestCommonPrefix = function(strs) {
  if (strs.length === 0) return "";
  // Start with the first string as prefix
  let prefix = strs[0];
  // Compare prefix with each string
  for (let i = 1; i < strs.length; i++) {
     while (strs[i].indexOf(prefix) !== 0) {
        // Reduce prefix length until match
        prefix = prefix.substring(0, prefix.length - 1);
        if (prefix === "") return "";
     }
  }
  return prefix;
};
Python
class Solution(object):
  def longestCommonPrefix(self, strs):
     if not strs:
        return ""
     # Start with the first string as prefix
     prefix = strs[0]
     for s in strs[1:]:
        while s[:len(prefix)] != prefix:
```

prefix = prefix[:-1] # reduce prefix
if not prefix:
 return ""
return prefix