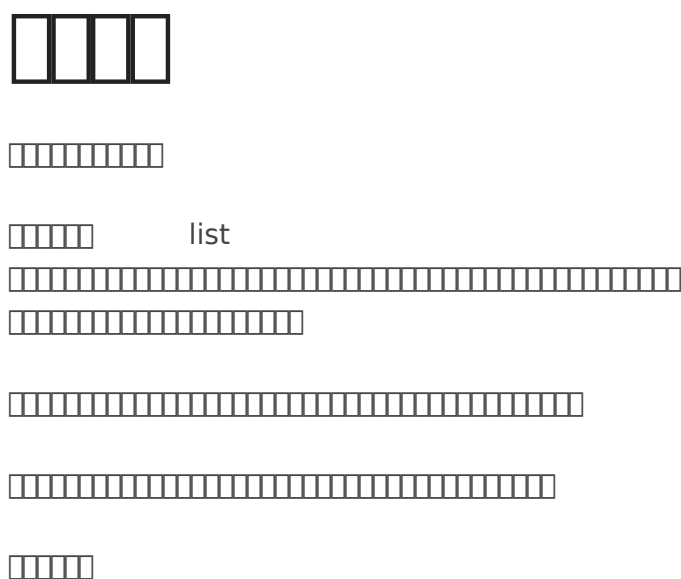


0014 - Longest Common Prefix



```
class Solution(object):  
    def longestCommonPrefix(self, strs):  
        """"  
        :type strs: List[str]  
        :rtype: str  
        """  
  
        result = ""  
  
        # [ ]
```

```
sorted_list = sorted(strs)
```

```
first = sorted_list[0]
```

```
last = sorted_list[-1]
```

```
for i in range(0, min(len(first), len(last))):
```

```
    if first[i] != last[i]:
```

```
        return result
```

```
    result += first[i]
```

```
return result
```

Progress bar with 15 empty slots

Python

`sorted()`

Java

`Array.sort()`

Java code:

```
class Solution {
    public String longestCommonPrefix(String[] strs) {
        ArrayList<String> arraylist = new ArrayList<>(Arrays.asList(strs));
        arraylist.sort(Comparator.naturalOrder());

        StringBuilder samePart = new StringBuilder();

        String first = arraylist.getFirst();
        String last = arraylist.getLast();
        int count = 0;

        while(count < Math.min(first.length(), last.length())){
            if(first.charAt(count) == last.charAt(count)){
                samePart.append(first.charAt(count));
            } else {
                return samePart.toString();
            }
            count++;
        }

        return samePart.toString();
    }
}
```

Revision #3

Created 2 July 2024 07:06:17 by Nesquate

Updated 8 July 2024 03:17:14 by Nesquate