

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

```

sorted() Python 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();
    }
}

```


