Longest Common Prefix

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

Solution 1

written by desmile original link here

Solution 2

Sort the array first, and then you can simply compare the first and last elements in the sorted array.

```
public String longestCommonPrefix(String[] strs) {
    StringBuilder result = new StringBuilder();

    if (strs!= null && strs.length > 0){

        Arrays.sort(strs);

        char [] a = strs[0].toCharArray();
        char [] b = strs[strs.length-1].toCharArray();

        for (int i = 0; i < a.length; i ++){
            if (b.length > i && b[i] == a[i]) {
                result.append(b[i]);
            }
            else {
                return result.toString();
            }
        return result.toString();
}
```

written by cassandra9 original link here

Solution 3

written by huwenboshi original link here

From Leetcoder.