[**Longest Common Prefix**](https://leetcode.com/problems/longest-common-prefix/)

**public** **class** LongestCommonPrefix {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

String[] strs = {"dog","racecar","car"};

System.***out***.println(*longestCommonPrefix*(strs));

}

**public** **static** String longestCommonPrefix(String[] strs) {

**if**(strs == **null** || strs.length == 0) {

**return** "";

}

**for**(**int** i = 0 ; i < strs[0].length() ; i++) {

**for**(**int** j = 1 ; j < strs.length ; j++) {

**if**(i == strs[j].length() || strs[j].charAt(i) != strs[0].charAt(i)) {

**return** strs[j].substring(0 , i);

}

}

}

**return** strs[0];

}

}

Time Complexity : O(n \* m ) , n is length of string and m is no of strings in array

Space Complexity : O(1), constant space