

Longest Common Prefix

Input → <sup>stos</sup> ["flower", "flow", "flight"]

Step 1 int prefixLen = 0;

Step 2 Take stos[0] i.e. "flower"

Step 3 We need to compare all elements of stos from index 1 to n-1.

Step 4 Run → while (true) {

if (prefixLength < stos[0].length()) {

{

else { break; }

Iteration → prefixLength = 0

char ch = stos[0].charAt(prefixLength);

i = 1 → stos[i].charAt(prefixLength) == ch

↓  
isValid = true

else

isValid = false

break ~~while~~ loop (Loop for)

}

if (isValid) { prefixLength++; }

else {

break while loop



flower ← ch → [f]      prefixLength = 0

flow → f | 0

flight → f | i

break

classmate prefixLength = 2

Step 5 return stos[0].substring(0, prefixLength)