

Given a String S, reverse the string without reversing its individual words. Words are separated by dots.

Example 1:

Input:

`S = i.like.this.program.very.much`

Output: `much.very.program.this.like.i`

Explanation: After reversing the whole string(not individual words), the input string becomes
`much.very.program.this.like.i`

Example 2:

Input:

`S = pqr.mno`

Output: `mno.pqr`

Explanation: After reversing the whole string , the input string becomes
`mno.pqr`

Your Task:

You dont need to read input or print anything. Complete the function **reverseWords()** which takes string S as input parameter and returns a string containing the words in reversed order. Each word in the returning string should also be separated by '.'

Expected Time Complexity: $O(|S|)$

Expected Auxiliary Space: $O(|S|)$

Constraints:

$1 \leq |S| \leq 2000$