

Reverse words in string

`s = "the sky is blue"`

↓

`"blue is sky the"`

`s = "xx hello -xx world x"`

↓

`"world - hello"`

approach

`"the pen"`

↓ `rev[position]`

`"nep eht"`

↓ `rev individual`

`"pen the"`

reverse the entire string normally

`reverse(s.begin(), s.end())`

to find single word

`string word = "";`

`while(i < n && s[i] != ' '){`

`word += s[i];`

`i++;`

`}`

then reverse single word

`reverse(word.begin(), word.end())`

save in ans string

`if (word.length() > 0){`

`ans = " " + word`

↓

end mein answer will come like

`ans = xpen - the`

we don't want the first blank

so we'll return `ans.substr(1)`

first index se ans return
karega

run in for loop
to find for entire
string because this is
only for one word

Pseudo code

`reverse(s.begin(), s.end())`

`for (i = 0; i < n; i++) {`

`string word = "";`

`while (i < n && s[i] != ' '){`

`word += s[i];`

`i++;`

`}`

`reverse(word.begin(), word.end())`

`if (word.length() > 0){`

`ans = " " + word`

`}`

`}`

`return ans.substr(1)`

time complexity : $O(n)$