C++ STLs

"Like a Boss"

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Easy
Leetcode
2108

codestorywithMIK

2108. Find First Palindromic String in the Array

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Given an array of strings `words`, return *the first **palindromic** string in the array*. If there is no such string, return *an **empty string** `""`*.

A string is **palindromic** if it reads the same forward and backward.

Example :- words = { "abc", "car", "ada", "aba" }

Output = "ada"

1st Palindrome

words = { "abc", "car", "ada", "aba" }

words = {"abc", "cba", "aaa", "..."}

check Palindrome :-

①
$$\underset{a \; b \; c \; b \; a}{\underset{i}{\underset{s}{\text{"x x x x x"}}}}$$ True.

② word = "abcba"

std::reverse (abcba)

temp = word

reverse (temp.begin() , temp.end());

(temp == word) True

③ Form a reversed string...

String word = "a b c b a"

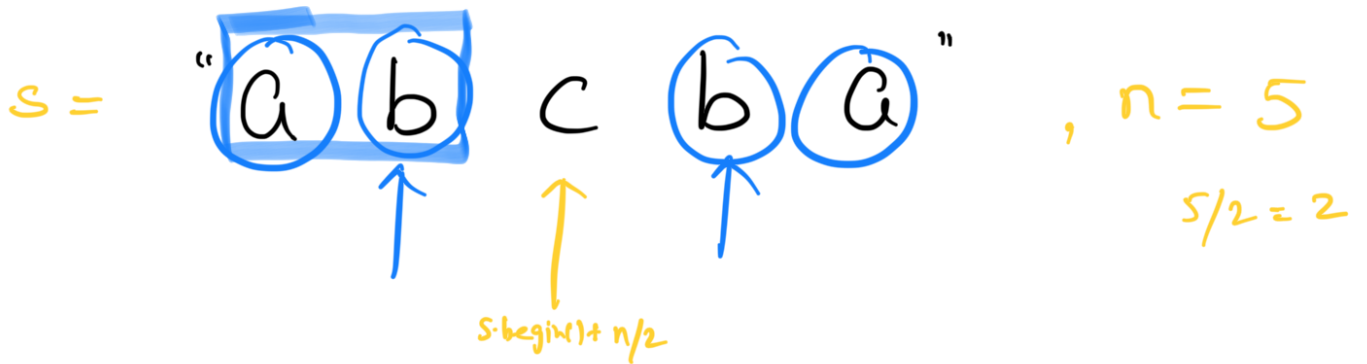temp = String (word.rbegin(), word.rend()); "abcba"

$$(temp == word)$$

④ std:: equal (s1.begin(), s1.begin()+3, s2.begin)

3 characters

"a b c b a"   "a b c d e"

↑ s1.begin()   ↑ s2

↑

s.begin + j

s = "a b c b a" , n = 5

5/2 = 2

s.begin() + n/2

equal (s.begin(), s.begin()+n/2 , s.rbegin())