0 → Given a string, reverse the substring from 1 to r.

$$TC = O(N)$$
 $SC = O(1) \rightarrow O(N)$  use String Builder

in case of immutable

strings.

A -> Civer a character array storing a sentence.

Rippling Reverse it word by word.

Tekion (orp of No extra space is allowed, SC = O(1)

lease. () Every word is sense et al by only one white space.

lega b) Every word is separated by only one white space '.
c) No leading or ending spaces are present in input.

) Reverse complete array. ← TC = O(N)

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2) Reverse all words.
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## reverse (A, L, r-1)

$$l = 0$$
for  $x \to 0$  to N-1

if  $(A (k_1) = = 1 \ ')$ 
 $L = x + 1$ 
 $L$ 

 $\theta \rightarrow \omega$  where a string of length N. Return the length of longest palindromic substring.

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Bruteforce \rightarrow Substrings, check if it is a palindrome \downarrow

**substring = N*(N+i)

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**a b c b c b a S = reverse(S) \leftarrow O(N)

Total TC = O(N^2 * N)

= O(N^3)

and = O

for i \rightarrow O to (N-i) || i \rightarrow middle (odd)

ans = O

**In the substring of O(N)

if (i < (N-i))

ons = O(N^2)

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**In the substring of O(N)

**In the su
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"aabcdef"