Palindrome Problem

"racecar"

"madam"

→ we have to check only the alphanumeric chracters. (ignore special) isalphanumeric()

→ Use 2 pointer approach.

→ we will convert all the chraclers to lowercase using lowercase(ch)

Pseudocode

st=0, end=n-1

while(st<end) {

IsAlphanumeric(!str(st)) → st++ ; continue

IsAlphanumeric(!str(end)) → end-- ; continue

if(tolower(str[st]) != tolower[str[end]])

return false

st++, end--

}

return true

Remove All Occurrences of Substring

s = "daabbedacbba" "abc" = part

like daa(b)baabcbc

dab(ab)bc

dab(abc)

dab ✓

① str.find(subpart) < str.length

↳ position where it exists.

1st Occurence.

② str.erase(start, end)
↓
deletes the specific length.

str = abcdefghi   str.erase(1, 4)

Delete Part

Find part

s.find(part) < s.length   s.erase(st, length)
↙   ↓
s.find(part)   part.length

while (s.length > 0 && s.find(part) <
             s.length) {

s.erase [st, length]
↙   ↓
s.find (part)   part.length()