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C program to check whether a given string is palindrome or not without using inbuilt function

Algorithm

1. Start
2. Input str
3. $n = \text{strlen}(\text{str})$
4. Repeat through step 4.
for $i = 0; i < n; i++$
 - 4.1 if ($\text{str}[i] == ' '$)
 - 4.1 a) $k = i$
 - 4.1 b) Repeat through 4.1b
for $j = k+1; k < n; j++, k++$
 $\text{str}[k] = \text{str}[j]$
 - 4.1 c) $n--$
 - 4.1 d) $i = i-1$
5. Print str
6. Stop

Flowchart

