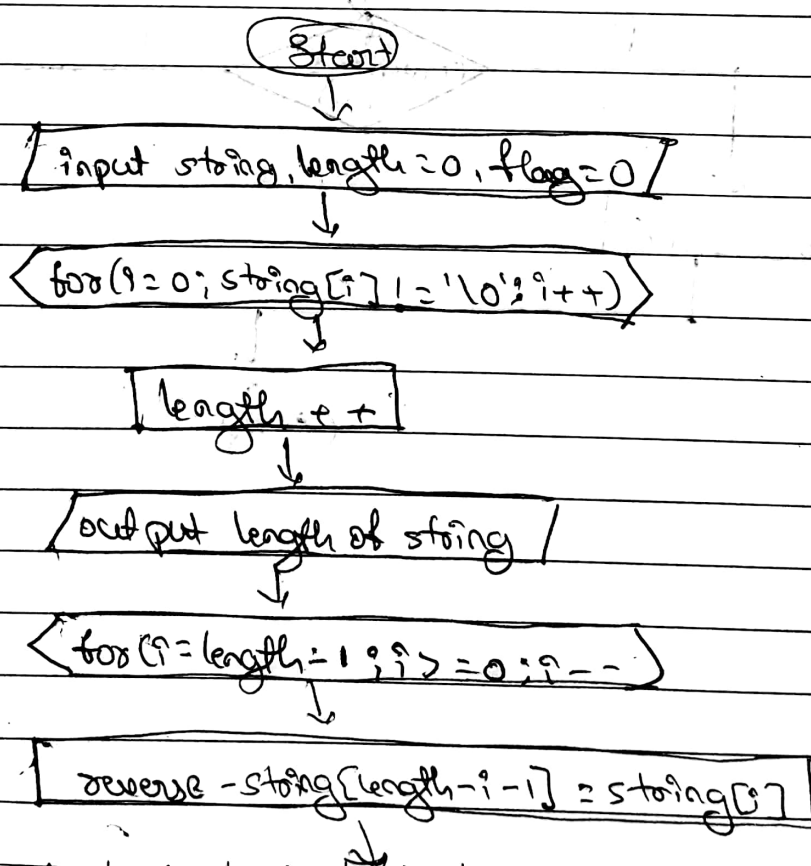


C. Program to check whether given string is palindrome or not without using builtin function.

Algorithm:-

- ① Start
- ② input string, length = 0, flag = 0
- ③ for ($i = 0$; string[i] != '\0'; $i++$)
length++
- ④ output length of a string
- ⑤ for ($i = \text{length} - 1$; $i \geq 0$; $i--$)
reverse string[length - i - 1] = string[i]
- ⑥ for (flag = 1, $i = 0$; $i \leq \text{length}$; $i++$)
if (reverse-string[i] != string[i])
flag = 0;
- ⑦ if (flag == 1)
output palindrome
else
output not a palindrome
- ⑧ stop

Flowchart:-



for (flag = 1, i = 0; i < length; i++)

if
reverse
string[i] !=
string[i]

flag = 0

if
(flag ==
1)

output palindrome

F

output not a
palindrome

stop