Anesh Somanath Majaliban

4AL19CS010

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

Algorithm

1. Start
2. Input string
3. Initialize k = strlen(str1)
4. Repeat through 4.1
   4.1 for (i=0; i<k; i++)
          str[2] = str1[k-i-1]
5. Print str 2
6. x = strcmp (str1, str2)
7. if (x == 0)
          Point string is palindrome

8. else
          print string is not palindrome

9. Stop.

F. Mauihoant

```
        ( Start )
            |
            v
     / Input str1 /
            |
            v
    [ k = strlen(str1) ]
            |
            v
False  < for (i=0; i<k; i++) >
  |              |
  |             True
  |              v
  |    [ str2[i]=str1[k-i-1] ]
  |              |
  +--------------+
                 |
                 v
       [ Print str2
         Z = strcmp(str1,str2) ]
                 |
                 v
              /      \          False   / Print string is    /
             < if(z==0) >  -------->   /  not a palindrome  /
              \      /
                 |
                True
                 v
       / Print string is a /
       /   palindrome      /
                 |
                 v
            ( STOP )
```