Ex.No: 7b Date:	**PALINDROME**

AIM:

To write a python program for palindrome.

ALGORITHM:

1. Start the program.
2. Read the number or letter.
3. Hold the number or letter in the temporary variable.
4. Reverse of number or letter is generated from the pattern isPalindrome(s[1:1-1]).
5. This generated output is compared with the actual value.
6. When the generated value is an exact reverse of the given string, then the output is printed as "Yes!it is a palindrome".
7. Otherwise, "No, it is not a palindrome".
8. Stop the program.

Program:

```
def isPalindrome(s):
    l =
    len(s) if
    l < 2:
        return True
    elif s[0] == s[1 - 1]:
        print (s) return
        isPalindrome(s[1: l - 1])
    else: print
        ("checking
        fails") return
        False
s = raw_input("enter a string value to check whether it is a palindrome or not:
") print ("----------This is how it checks!!! ---------- ") ans = isPalindrome(s) if
ans:
    print("======completed checking======")
    print("Yes! it is a palindrome")
else:
    print("No! it is not a palindrome")
```

OUTPUT:

enter a string value to check whether it is a palindrome or not: yes

----------This is how it checks!!!

checking fails

No! it is not a palindrome enter a string value to check whether it is

a palindrome or not: madam

----------This is how it checks!!!

s

s

======completed checking======

Yes! it is a palindrome

RESULT:

Thus the python program for palindrome is executed.