S.No: 18	Exp. Name: *Palindrome checker*	Date:2025-04-23

Aim:

Write a Python program to find whether a given string is a palindrome or not.

Note: A palindrome is a string that reads the same backwards as forward.
For example, "racecar" is a palindrome because it reads the same in both directions, while "hello" is not.

Input Format:
- The input should be a string.

Output Format:
- If the given string is a palindrome, print "**palindrome**".
- Otherwise, print "**not a palindrome**".

Source Code:

palindrome.py

```python
def is_palindrome(s):
    s=s.replace("","").lower()

    if s==s[::-1]:
        print("palindrome")
    else:
        print("not a palindrome")
test_string=  input().strip()
is_palindrome(test_string)
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
mam
palindrome

Test Case - 2
User Output
sir
not a palindrome