

Reverse

Lastname_reverse.cpp

Write a program which accepts a string and outputs the reversed version of the string, but outputs “Palindrome” if the reversed version is the exact same form as the original string.

PROGRAM DESIGN

The program should be able to accept a string input from the user and determine if the string is a palindrome or not. If it's not a palindrome, the program should output the reversed string, and output “Palindrome” if otherwise. Save your work as *Palindrome_str.cpp*

INPUT

The input is a string that can have up to 50 characters.

OUTPUT

Once the user enters the input, the program should be able to check if the number is a palindrome or not. If it is not a palindrome, the program prints the reversed string else, it prints “**Palindrome**”.

SAMPLE INPUT

```
10001
madam
Kayak
no
2270
```

SAMPLE OUTPUT

```
Palindrome
Palindrome
kayaK
on
0722
```