Write a Program to check if String is a palindrome or not

Description

Get an input string from the user and then check whether it is a palindrome string or not.

Input

noon

Output

Palindrome

Input

Talent

Output

Not a Palindrome

TalentBattle

C Program

```
#include<stdio.h>
#include<string.h>
int main()
{
   char str[10];
   int i, len = 0, flag = 0;
   printf("Enter a string: ");
   scanf("%s",str);
   len = strlen(str);
   for (i = 0; i < len / 2; i++) {
      if (str[i] == str[len - i - 1])
      flag++;
   }
```

```
    if (flag == i)
        printf("Palindrome");
    else
        printf("Not a palindrome");
    return 0;

}
```

C++ Program

```
#include<iostream>
#include<string.h>
using namespace std;
int main()
{
    char str[10];
    int i, len = 0, flag = 0;
    cout<<"Enter a string: ";
    cin>>str;
    len = strlen(str);
    for (i = 0; i < len / 2; i++) {
        if (str[i] == str[len - i - 1])
        flag++;
    }
    if (flag == i)
        cout<<"Palindrome";
    else
        cout<<"Not a palindrome";
    return 0;
```

TalentBattle

```
}
```

Java

```
import java.util.Scanner;
public class Main {
   static boolean isPalindrome(String str)
   {
      int i = 0, j = str.length() - 1;
      while (i < j)
      {
         if (str.charAt(i) != str.charAt(j))
            return false;
         i++;
         j--;
      }
      return true;
   }
   public static void main(String[] args)
   {
     Scanner sc = new Scanner(System.in);
                    System.out.print("Enter a string: ");
      String str = sc.nextLine();
      if (isPalindrome(str))
         System.out.print("Palindrome");
      else
         System.out.print("Not a palindrome");
   }
```

TalentBattle

```
}
```

Python

```
str1 = input("Enter a string: ").upper()
if str1 == str1[::-1]:
  print("Palindrome")
else:
  print("Not a palindrome")
```


TalentBattle