

PYTHON PROGRAMMING
TO CHECK THE STRING IS PALINDROME OR NOT

METHOD 1 :

PROGRAM :

```
a=input("enter the string :")
for i in range(len(a)) :
    if (a==a[::-1]) :
        print("the given string is palindrome")
        break
else :
    print("the given string is not a palindrome")
```

OUTPUT :

```
enter the string :racecar
the given string is palindrome
```

```
enter the string :python
the given strijng is not a palindrome
```

METHOD 2 :

PROGRAM :

```
a=list(input("enter a string :"))
b=a.copy()
a.reverse()
if (a==b) :
    print("the given string is palindrome")
else :
    print("the given string is not a palindrome")
```

OUTPUT :

enter the string :racecar
the given string is palindrome

enter the string :python
the given string is not a palindrome

REVERSE THE STRING

PROGRAM :

```
a=input("enter the string :")
print("the reverse of the string",a,"is",a[::-1])
```

OUTPUT :

enter the string :PYTHON
the reverse of the string PYTHON is NOHTYP

TO FIND THE LENGTH OF THE STRING

PROGRAM :

```
a=input("enter the string :")
print("the length of the string",a,"is",len(a))
```

OUTPUT :

```
enter the string :python
the length of the string python is 6
```

TO REPLACE VOWELS WITH “@”

PROGRAM :

```
a=input("enter the string :")
vowels=["a","e","i","O","o","I","U","u","E","A"]
for i in a :
    if i in vowels :
        i="@ "
        print(i,end=" ")
    else :
        print(i,end=" ")
```

OUTPUT :

```
enter the string :PYTHONprogramming
PYTH@Npr@gr@mm@ng
```

