1.PYTHON PROGRAM TO CHECK WHETHER THE INPUT STRINNG IS PALINDROME

```python
string=input("enter a string:")
if(string==string[::-1]):
   print("the string is a palindrome")
else:
   print("the string is not a palindrome")
```

OUTPUT

enter a string:madam

the string is a palindrome

2.REVERSE THE STRING

```python
def reverse(str):
 str=str[::-1]
 return str
s=input("enter a string to be reversed:")
print("the original string is:",s)
print("the reversed string is:",reverse(s))
```

OUTPUT

enter a string to be reversed:python

the original string is: python

the reversed string is: nohtyp

3.FIND THE LENGTH OF THE STRING

```python
def length(str):
 count=0
 for i in str:
```

count+=1

 return count

str="santhoshini"

print(length(str))

OUTPUT

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4.WRITE A PROGRAM THAT ACCEPTS A STRING FROM THE USER AND DISPLAY THE STRING AFTER REPLACING THE VOWEL CHARACTER WITH @

str=input("enter a string:")

char=input("enter a character:")

newstr=""

for i in range(len(str)):

 if str[i]=='a' or str[i]=='e' or str[i]=='i' or str[i]=='o' or str[i]=='u':

  newstr=newstr+char

 else:

  newstr=newstr+str[i]

print("\nOriginal string:",str)

print("Newstring:",newstr)

OUTPUT

Original string: santhoshini

Newstring: s@nth@sh@n@Original string: santhoshini

Newstring: s@nth@sh@n@

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