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#1. Write a Python program to find the reverse of a string. Expected Output (for input "hello"):
#olleh
getstr=input("Enter String:")
rev=getstr[::-1]
print("Reversed String:",rev)

Enter String: hello
Reversed String: olleh

#2. Write a Python program to generate the Fibonacci sequence up to 10 terms.
#Expected Output:
#0 1 1 2 3 5 8 13 21 34
def findfibno(n):
    fibarrlst= []
    a,b = 0,1
    for f in range(n):
        fibarrlst.append(a)
        a, b= b,a+b
    return fibarrlst

findfibno(10)
[0, 1, 1, 2, 3, 5, 8, 13, 21, 34]

#3. Write a Python function to check if a given string is a palindrome.
#Expected Output (for input "madam"):
#madam is a palindrome
findpalstr=input("String:")
revpal=findpalstr[::-1]
print("String:",revpal)
if (findpalstr==revpal):
    print(findpalstr,"is a Palindrome")
else:
    print(findpalstr,"not a Palindrome")

String: madam
String: madam
madam is a Palindrome

#4. Write a Python program to count the number of vowels in a given string.
#Expected Output (for input "education"):

#Number of vowels: 5
def findvow(text):
    vowels="aeiou"
    count=0

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for char in text:
    if char in vowels:
        count+=1
return count

findvow("education")

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#5. Write a Python program to remove duplicates from a list.
#Expected Output (for input [1, 2, 2, 3, 4, 4, 5]):

#[1, 2, 3, 4, 5]
def remove_duplicates(lst):
    return list(set(lst))

print(remove_duplicates([1, 2, 2, 3, 4, 4, 5]))
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[1, 2, 3, 4, 5]