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SEC (Python) PRACTICAL ASSIGNEMENT : 06.09.2022

Computer Science (3rd Sem)

**Question 1 : WAP to find the factorial of a number**

**Solution **

def factorial(num):

fact=1

for i in range(1,num+1):

fact=i\*fact

return fact

print("\n\t\t \*\*\* CALCULATE FACTORIAL OF A NUMBER \*\*\* ")

n=int(input("Enter the number : "))

result=factorial(n)

print("-> The factorial of ", n, " is ",result)

**Question 2 : WAP to check if a number is palindrome or not**

**Solution **

def pallindrome(num):

for i in range(0, len(num)):

if (num[i]!=num[(len(num)-1)-i]):

return 0

return 1

print("\n\t\t \*\*\* CALCULATE IF NUMBER IS PALLINDROME OR NOT \*\*\* ")

n=input("Enter the number : ")

result=pallindrome(n)

if result==1:

print("-> The number ", n, " is pallindrome")

else:

print("-> The number ", n, " is not pallindrome")

**Question 3: WAP to reverse a number**

**Solution **

def reverse(num):

new=[]

l=len(num)-1

for i in range(0, len(num)):

ele=num[l-i]

new.append(ele)

res=''.join([str(elem) for elem in new])

return res

print("\n\t\t \*\*\* REVERSE THE NUMBER \*\*\* ")

n=input("Enter the number : ")

result=reverse(n)

print("-> The reverse of ", n, " is ",result)

**combined output**

