Lab 8 assignment:

Q1:

n=int(input("Enter the number for factorial="))

r=int(input("r="))

def fact():

fac=1

i=1

while i<=n :

fac=fac\*i

i=i+1

return fac

a=fact()

b=n-r

def factorial(b):

fac=1

i=1

while i<=b :

fac=fac\*i

i=i+1

return fac

c=a/factorial(b)

print("The permutation of n and r is ",c)

Output:

Q2:

n = int(input("Enter the value "))

def factorfndr(x):

print("factor of " , n ,"are",'\n' )

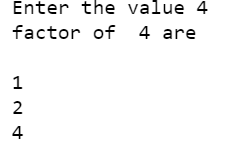
for i in range (1,x+1):

if x%i ==0:

print(i)

factorfndr(n)

Output:



Q3:

#sum of first 10 num divi by 3and9

p=0

q=0

i=1

while True:

if i%3 == 0 and i % 9 == 0:

q=q+i

p+=1

if p==10:

break

i+=1

print(q)

Output:



Q4:

#find fabonacci sequence

p=int(input("How many terms? "))

q,r=0,1

z = 0

if p<=0:

print("Please enter a positive integer")

elif p==1:

print("Fibonacci sequence upto",p,":")

print(q)

else:

print()

while z<p:

print(q)

nth= q+r

# changes

q= r

r=nth

z+=1

Output:

