**Task 1:**

def factorial(n):

if n == 0:

return 1

return n \* factorial(n-1)

# factorial of a no is

num = int(input(“enter a number:”))

print(“Factorial of”, num, “is”,

factorial(num))

**Task 2:**

def sum\_avg\_list(1st,n):

if n == 0:

return (0,0)

else:

sum, avg = sum\_avg\_list(1st,n-1)

return (sum +1st[n-1], avg + 1)

def avg\_list(1st):

sum, avg = sum\_avg\_list(1st, len(1st))

return sum/avg

1st = [4,5,1,2,9,7,10,8]

Print(“Sum of the list:”,

sum\_avg\_list(1st, len(1st))[0])

print(“Average of the list:”,

avg\_list(1st))