1 – Factorial of a number

def factorial(n):

return 1 if (n==1 or n==0) else n\*factorial(n-1)

2 –Multiplication table

def multiplication\_table(number):

#number = int(input("Enter a number:"))

print("Multiplicationtable of:",number )

for i in range(1,11):

print(number,"x",i,"=",number\*i)

3 –Fibonacci sequence

n\_terms = int(input ("How many terms the user wants to print? "))

  n\_1 = 0

n\_2 = 1

count = 0

**if** n\_terms <= 0:

**print** ("Please enter a positive integer, the given number is not valid")

**elif** n\_terms == 1:

**print** ("The Fibonacci sequence of the numbers up to", n\_terms, ": ")

**print**(n\_1)

**else**:

**print** ("The fibonacci sequence of the numbers is:")

**while** count < n\_terms:

**print**(n\_1)

       nth = n\_1 + n\_2

       n\_1 = n\_2

        n\_2 = nth

       count += 1