**Module 2**

**Python Assignment 2**

**1)Write a Python function to find the Max of three numbers.**

def maxoftwo(a,b):

if(a>b):

return a

return b

def maxofthree(a,b,c):

return maxoftwo(a,maxoftwo(b,c))

a=int(input('enter a value\n'))

b=int(input('enter b value\n'))

c=int(input('enter c value\n'))

print('max of3 numbers is')

print(maxofthree(a,b,c))

**2)Write a Python program to reverse a string**.

k=input("enter a string")

b=' '

for i in k:

b=i+b

print('original string' )

print(k)

print('reverse string' ,b)

**3)Write a Python function to check whether the number is prime or not.**

def prime(a):

if(a>1):

for i in range(2,a):

if(a%i)==0 :

print("not a prime number")

break

else:

print(' prime number')

else:

print(a,'isnot a prime number')

a=int(input('enter a number'))

prime(a)

**4) Use try, except, else and finally block to check whether the number is palindrome or not.(Raise error when input is not proper).**

number = int(input("Please Enter any Number: "))

if(number==0):

try:

print("invalid number")

finally:

print("final block stmt executed")

else:

reverse = 0

temp = number

while(temp > 0):

Reminder = temp % 10

reverse = (reverse \* 10) + Reminder

temp = temp //10

print("Reverse of a Given number is = %d" %reverse)

if(number == reverse):

print("%d is a Palindrome Number" %number)

else:

print("%d is not a Palindrome Number" %number)

**5) Write a python function to find sum of squares of first n natural numbers**

def sqsum(n) :

sm = 0

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

sm = sm + pow(i,2)

return sm

n = int(input("enter a number\n"))

print(sqsum(n))