**Module 2**

**Python Assignment 2**

1. Write a Python function to find the Max of three numbers. a=int(input()) **Input:**

b=int(input()) a=10

c=int(input()) b=20

if(a>b) and (a>c): c=30

print("largest is a") **Output:**

elif(b>a) and (b>c): largest is c

print("largest is b")

else:

print("largest is c")

1. Write a Python program to reverse a string.

def reverse(s):

str = ""

for i in s:

str = i + str

return str

s = "NAVYASHREE"

print ("The original string is : ",end="")

print (s)

print ("The reversed string(using loops) is : ",end="")

print (reverse(s))

**Output:**

The original string is:NAVYASHREE

The reversed string (using loops) is:EERHSAYVAN

1. Write a Python function to check whether the number is prime or not.

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

if number > 1:

for i in range(2, number):

if (number % i) == 0:

print(number, "is not a prime number")

break

else:

print(number, "is a prime number")

else:

print(number, "is not a prime number")

**Output:**

Enter any number:8

8 is not a prime number

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

1. Write a python function to find sum of squares of first n natural numbers.

def squaresum(n) :

return (n \* (n + 1) \* (2 \* n + 1)) // 6

n = 4

print(squaresum(n))

**Output:**30