PYTHON ASSIGNMENT 02
MODULE 2

1)Write a python program to find the maximum of three numbers

a)a=float(input("Enter the value of a"))
b=float(input("Enter the value of b"))
c=float(input("Enter the value of c"))
if a>b and a>c:
    print(a,"is greater than",b,c)
elif b>a and b>c:
   print(b,"is greater than",a,c)
else:
   print(c,"is greater than",a,b)

Output:

Enter the value of a 3

Enter the value of b 6

Enter the value of c 4
6.0 is greater than 3.0 4.0

2)Write a python program to reverse a string

a) s=(input("enter a word"))
s=s[::-1]
print(s)

Output:
   enter a word string
gnirts

3)Write a python program to check whether the number is prime or not

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

```
if a>1:
    for i in range(2,a):
        if (a%i)==0:
            print(a,'is not a prime number')
            break
        else:
            print(a,'is a prime number')
else:
    print(a,'is not a prime number')
```

Output:

```
        enter a number 24
24 is not a prime number
```

4)Use try,except,else and finally block to check whether the number is palindrome or not.

a)

```
n=int(input('enter number'))
temp=n
rev=0
while (n>0):
    dig=n%10
    rev=rev*10+dig
    n=n//10
if temp==rev:
    print("it is palindrome")
else:
    print('it is not a palindrome')
```

Output:

```
            enter number 234567765432
it is palindrome
```

5)Write a python program to find sum of squares of n natural numbers

a)

```
n=int(input('enter n'))
def squaresum(n):
```

```
    return(n*(n+1)/2)*(2*n+1)/3
print(squaresum(n))
```

Output:

```
enter n 2
5.0
```