**PYTHON ASSIGNMENT DAY 4**

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**1.Write a python function to find the maximum of three numbers.**

Ans: a=int(input(“enter the 1st number”)

b=int(int(input(“enter the 2nd number”)

c=int(input(“enter the 3rd number”)

print(maximum (a,b,c))

2.Write a pyhton program to reverse a string.

Ans: def reverse(str):

str=str[::-1]

return str

str="gitam"

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

print (str)

print("the reversed string is:",end=" ")

print(reverse(str))

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

Ans: num=11

if num>1:

for i in range(2,num):

if (num%i)==0:

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

break

else:

print(num,"is a prime number")

else:

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

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

Ans: def isPalindrome(word):

if len(word)<1:

return True

else:

if word[0]==word[-1]:

return isPalindrome(word[i:-1])

else:

return False

fileInput(filename):

palindromes=False

fh=open(filename,"r")

length=input("enter the length of palindromes:")

d=int(length)

try:

for line in fh:

for s in str(len(line)):

if isPalindrome(line.strip()):

palindromes=true

if(len(line.strip())==d:

print(line.strip())

except:

print("no palindromes found for length entered")

finally:

fh.close()

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

Ans: def square\_sum(n):

s=0

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

s=s+(i\*i)

return s

n=4

print(square\_sum(n))