**Assignment**

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

**ANS)def** maximum(a, b, c):

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

        largest **=** a

**elif** (b >**=** a) **and** (b >**=** c):

        largest **=** b

**else**:

        largest **=** c

**return** largest

2)Write a Python program to reverse a string?

ANS)**def** reverse(s):

  str **=** ""

**for** i **in** s:

    str **=** i **+** str

**return** str

s **=** "Geeksforgeeks"

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

print (s)

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

print (reverse(s))

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

ANS)

num = 407

if num > 1:

for i in range(2,num):

if (num % i) == 0:

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

print(i,"times",num//i,"is",num)

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 whether the number is palindrome or not.(Raise error when input is not proper)?

ANS)import sys

randomList = ['a', 0, 2]

for entry in randomList:

try:

print("The entry is", entry)

r = 1/int(entry)

break

except:

print("Oops!", sys.exc\_info()[0], "occurred.")

print("Next entry.")

print()

print("The reciprocal of", entry, "is", r)

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

ANS)**def** squaresum(n) :

    sm **=** 0

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

        sm **=** sm **+** (i **\*** i)

**return** sm

n **=** 4

print(squaresum(n)