**Python assignment-2**

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

n1=8

n2=9

n3=3

lst=[n1,n2,n3]

max(lst)

**2. Write a python program to reverse a string.**

s="python"

stringlength=len(str)

string=s[::-1]

print("the original string is:")

print(s)

print("the reversed string is:")

print(string)

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

num=97

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 if input is not proper).**

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.script))==d:

print(line.strip())

except:

print("no palindromes found for length entered")

finally:

fh.close()

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

def squareSum(n):

s=0

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

s=s+(i\*i)

return s

n=6

print(squareSum(n))