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Assigment - 4

1) Write a python function to find the Max of three numbers

→

```
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
  a = 10
  b = 14
  c = 12
print (maximum(a,b,c))
```

output = 14.

2) Write a python program to reverse a string

→

```
txt = "CAR"[::-1]
  print ("Reversed string is", txt)
```

Output

Reversed string is RAC.

Subhiksha

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

→

```
num = int(input ("Enter a number:"))
  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")
```

Output

407 is not a prime number

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

→

```
def is Palindrome (word):
  if len(word) <1:
    return true
else:
```

```
if word[0] == word[-1]:
    return isPalindrome(word[1:-1])
else
    return false
def fileInput(filename):
    palindrome = false
    fh = open(filename, "r")
    length = input("Enter length of palindrome:")
    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 palindrome found for length entered
finally:
    fh.close
```

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

→

```
def square sum(n):
    sum = 0
    for i in range (1, n+1):
        sum = sum + (i * i)
    return sum
n = 4
print (square sum(n))
```

output : 30.