

Assignment-2

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1) Python function to find maximum of three numbers.

```
def biggest(a,b,c):  
    if a>b and a>c:  
        Print("Biggest Number=", a)  
    elif b>a and b>c:  
        Print("Biggest Number=", b)  
    elif a==b:  
        Print("a=b=", a)  
    elif a==c:  
        Print("a=c=", a)  
    elif b==c:  
        Print("b=c=", b)  
    else:  
        Print("Biggest Number=", c)
```

biggest(2,8,8)

biggest(6,4,20)

Output:

b=c=8

Biggest Number=20

~~biggest(6,4,20)~~

2. Python Program to reverse a string

```
txt="GITAM"[::-1]
```

```
Print("Reversed string is",txt)
```

Output:

Reversed string is MATIG

3. Program to check if a number is prime or not

```
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) Write a Python function to find the 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 = 4
```

```
Print(SquareSum(n))
```

5) use try, except, else and finally block to check whether the number is Palindrome or not. (Raise error when input is not Proper).

```
try:
    n = int(input("Enter number:"))
except ValueError:
    Print ("Enter only numbers")
else:
    temp = n
    rev = 0
    while (n > 0):
        rev = (rev * 10) + (n % 10)
        n = n // 10
    if (temp == rev):
        Print ('Palindrome')
    else:
        Print ('not a Palindrome')
```