

# Python Assignment

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

A. Max of three number

```
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.

A. Program to reverse a string:

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

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

Output:-

R A C

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

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

Output:-

M A T I G

3. Write a Python function to check whether the number is Prime or not.

```
A. 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")
# if input number is less than or equal to 1, it is not Prime
else:
    Print(num, "is not a Prime number")
```

Output:-

650 is not a Prime number.

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

```
A. def squarsum(n):
    sum = 0
    for i in range(1, n+1):
        sum = sum + (i*i)
    return sum

n = 4
Print(squarsum(n))
```

Output:-

30

5. Write a Python function to find Sum of squares of first n natural numbers.

A. `def is Palindrome(word):`

`if len(word) < 1:`

`return true`

`else:`

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

`return is Palindrome(word[1:-1])`

`else`

`return False`

`def fileInput(filename):`

`Palindrome = False`

`fh = Open(filename, "r")`

`length = input("Enter length of the Palindromes:")`

`d = int(length)`

`try:`

`for line in fh:`

`for s in str(len(line)):`

`if is Palindrome (line.strip()):`

`Palindromes = True`

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

`Print(line.strip())`

`except:`

`Print ("No Palindrome found for length entered")`

`finally:`

`fh.close`