

In []:

```
'''S.GOKUL  
205209106  
I-M.Sc.CHEMISTRY'''
```

In [3]:

```
#1  
def max_of_two(x,y):  
    if x>y:  
        return x  
    else:  
        return y  
def max_of_three(x,y,z):  
    return max_of_two(x,max_of_two(y,z))  
print(max_of_three(4,5,-9))
```

5

In [1]:

```
#2  
def reverse_string(str):  
    str1=""  
    for i in str:  
        str1=i+str1  
    return str1  
str='Python Programming'  
print('The original string: ',str)  
print('The reversed string: ', reverse_string(str))
```

The original string: Python Programming
The reversed string: gnimmargorP nohtyP

In [2]:

```
#3  
def string_test(s):  
    d={"UPPER_CASE":0, "LOWER_CASE":0}  
    for c in s:  
        if c.isupper():  
            d["UPPER_CASE"]+=1  
        elif c.islower():  
            d["LOWER_CASE"]+=1  
        else:  
            pass  
    print('original string: ',s)  
    print('No. of upper case letters: ',d["UPPER_CASE"])  
    print('No. of lower case letters: ',d["LOWER_CASE"])  
string_test('It usually Rains here')
```

original string: It usually Rains here
No. of upper case letters: 2
No. of lower case letters: 16

In [5]:

```
#4
def unique_list(l):
    x = []
    for a in l:
        if a not in x:
            x.append(a)
    return x
print(unique_list([1,2,3,3,3,3,4,5,6,4,5,]))
```

[1, 2, 3, 4, 5, 6]

In [6]:

```
#5
def isPalindrome(string):
    left_pos=0
    right_pos=len(string)-1
    while right_pos>=left_pos:
        if not string[left_pos]==string[right_pos]:
            return False
        left_pos+=1
        right_pos-=1
    return True
print(isPalindrome('aza'))
```

True

In []: