

Write a function to find maximum of three numbers

In [18]:

```
def maxi(x,y,z):
    maximum=(max(x,y,z))
    print("maximum of three numbers:",maximum)

a=int(input("enter first number"))
b=int(input("enter second number"))
c=int(input("enter third number"))
maxi(a,b,c)

enter first number1020989
enter second number2300
enter third number300
maximum of three numbers: 1020989
```

Write a function to sum all the numbers in a list

In [28]:

```
l1=[1,2,3,4,5,6,7,8,9]

def sumOfList(l1):
    nSum=0
    for i in l1:
        nSum+=i
    return nSum

print(sumOfList(l1))

45
```

Write a function to multiply all the numbers in a list

In [30]:

```
l1=[1,2,3,4,5,6,7,8,9]

def mulOfList(l1):
    nmul=1
    for i in l1:
        nmul*=i
    return nmul

print(mulOfList(l1))

362880
```

Write a function to reverse a string

In [34]:

```
def reversestring(x):
    return x[::-1]

s1=("hello welcome to edubridge")

reversestring(s1)

Out[34]: 'egdirbude ot emoclew olleh'
```

Write a function to calculate the factorial of a number

In [1]:

```
def factorial(x):
    if x == 1:
        return 1
    else:
        return (x * factorial(x-1))

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

Enter a number: 5
120

Out[1]:
```

Write a function that accepts a string and calculate the number of upper case letters and lower case letters

In [22]:

```
def lowandup(x):
    upper,lower=0,0

    for i in x:
        if i.isupper():
            upper=upper+1
        elif i.islower():
            lower=lower+1

    print ("No. of Uppercase characters : ", upper)
    print ("No. of Lowercase characters : ", lower)

string = input ("Enter a string ")
lowandup(string)

Enter a string Hello World
No. of Uppercase characters :  2
No. of Lowercase characters :  8
```

Write a function that takes a list and returns a new list with unique elements of the first list

In [35]:

```
def uniquelist(l):
    x = []
    for i in l:
        if i not in x:
            x.append(i)
    return x
print('unique elements are')
l5=[1,2,3,3,3,4,5,6,6,7,8,9,9,10]
uniquelist(l5)

unique elements are
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

Out[35]:
```

In []: