**Q1**

In [8]:

sum = 0

a=[1,3,7,3,8,524,764]

**for** i **in** range(0,len(a)):

sum = sum + a[i]

print("Sum: ",sum)

Sum: 1310

**Q2**

In [10]:

mul = 1

a=[1,3,7,3,8,524,764]

**for** i **in** range(0,len(a)):

mul = mul\* a[i]

print("Mul: ",mul)

Mul: 201769344

**Q3**

In [11]:

a=[1,3,7,3,8,524,764]

print("Max: ",max(a))

Max: 764

**Q4**

In [12]:

a=[1,3,7,3,8,524,764]

print("Min: ",min(a))

Min: 1

**Q6**

In [20]:

a =[(2,5),(1,2),(4,4),(2,3),(2,1)]

**def** Sort\_Tuple(a):

lst = len(a)

**for** i **in** range(0, lst):

**for** j **in** range(0, lst-i-1):

**if** (a[j][1] > a[j + 1][1]):

temp = a[j]

a[j]= a[j + 1]

a[j + 1]= temp

**return** a

print(Sort\_Tuple(a))

[(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

**Q7**

In [21]:

c = [1,2,4,1,4,'a','g','q','a']

c = list(dict.fromkeys(c))

print(c)

[1, 2, 4, 'a', 'g', 'q']

**Q8**

In [24]:

d=[]

**if** len(d)==0:

print("Empty List")

**else**:

print("List not Empty ",d)

Empty List

**Q9**

In [25]:

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

f=[]

f=e

print(f)

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

**Q11**

In [30]:

g=[0,1]

h=[8,2]

**for** i **in** g:

**for** j **in** h:

**if** i==j:

print("True")

**Q12**

In [41]:

i=[1,2,3,4,5,6,9]

i.pop(0)

i.pop(4)

i.pop(-2)

print(i)

[2, 3, 4, 9]