**If condition**

a =100

b = 100

if a>b:

print (a,'Greater than ', b)

elif b>a:

print (b,'Greater than',a)

else:

print (a,'and ',b ,'are equal')

**If condition Between**

a =300

if a <100:

print (a,'Less than 100')

elif (100<= a <=200):

print (a,'is between 100 and 200')

else:

print (a,'Greater than 200')

**Inside If**

a =40

if a <100:

print (a,'Less than 100')

if (50<= a <=100):

print (a,'is between 50 and 100')

elif (20<= a <=50):

print (a,'is between 20 and 50')

else:

print (a,'is less than 20')

elif (20<= a <=200):

print (a,'is between 50 and 200')

else:

print (a,'Greater than 200')

**Example 2**

a = 150

b = 200

if a<b:

print (a,'is smaller than',b)

if 10 <= a <=100:

print (a,'is between 10 and 100')

elif a<10:

print (a,'is less than 10')

else:

print (a,'is bigger number than',b)

**While loop**

a =1

while a <5:

print ( 'The number is ',a)

a+=1

print ('Program end')

**Example 2**

x = 2

print ('Loop Start')

while x < 10:

print (x)

x +=1

print ('Loop End ')

**For Loop**

A = [10,15,20,25]

for i in range (len(A)):

print (i)

print ('Good Day')

A = [10,15,20,25]

for i in A:

print (i)

print ('Good Day')

**Nested loop**

for i in range (10):

print (str(i)\*i)

print ('Good Day')

**Example 2**

A = ['Pen','Pencil','Book','Toy']

B = ['School', 'College']

for i in A:

print (i)

for j in B:

print(' ',j)

**Input Parameter**

no1 = input ('Enter the value')

no2 = input ('Enter the value')

print ('Data type of no1 ',type (no1))

no3 = int(no1)+ int (no2)

print (no3)