In [46]:

```
#int,float,complex,sequence----> list,tuple,sets,map----> dict
"""this is no"t my school"""
#--> Boolean True False
# ---> File handeling csv,text,excel
# -----> OOPS
a=10
b=20
c=a+b
c=a-b
print(c)   # memory override a
```

```
-10
```

NIT Assignment-2

```
Data types, declarations and comments
1.  Write python code to store two numbers and swap number
2.  Write python code to handle two numbers as input and display the numbers
3.  Write your python code to store firstname and lastname display name separated by comma
4.  Enter number and convert the given number into negative number
5.  Find out the data type of your given number
Operators In python
1.  Store any number of three digits and display the sum of digits , ex: mynumber =345 , result should be
3+4+5=12
2.  Store any number of two digits display the reverse of the number ex num=45 , result  should be 54
3.  search a particular letter repeated for number of times from a given text  ex: str="apple"  search for    'p'
4.  store any two number from run time find the average of two numbers
Conditional Statement and loop:
1.  enter any number as input and show the number divisible by 5
2.  enter two numbers and calculate the difference and store in third variable find it is positive or negative
number
3.  find out the smallest value of given three numbers
4.  Rajesh want to open bank account with amount 3000 , bank expected minimum deposit is 5000 , write the python
code to validate this condition.
```

1. Write python code to store two numbers and swap number

In [1]:

```
# 1.    Write python code to store two numbers and swap number
a=5
b=10
a,b=b,a
print(f"the swap of the number : {a}")
print(f"the swap of the number : {b}")
```

```
the swap of the number : 10
the swap of the number : 5
```

2. Write python code to handle two numbers as input and display the numbers

In [2]:

```
#2. Write python code to handle two numbers as input and display the numbers
n1=int(input("Enter the number : "))
n2=int(input("Enter the number : "))
n3=n1+n2
print(f"The python code to handle {n1},{n2} display the number {n3}")
```

```
Enter the number : 34
Enter the number : 55
The python code to handle 34,55 display the number 89
```

3. Write your python code to store firstname and lastname display name separated by comma

In [3]:

```
first_name="Killi"
Middle_name="Rama"
Last_name="Krishna"
full_name = first_name+","+Middle_name+","+Last_name
print(f"The {first_name} and {Middle_name} and {Last_name}.Th full name is {full_name}")
```

```
The Killi and Rama and Krishna.Th full name is Killi,Rama,Krishna
```

4. Enter number and convert the given number into negative number

In [5]:

```
number=int(input("Enter the number : "))
num=-(number)
print(f"The negative number {num}")
```

```
Enter the number : 4
The negative number -4
```

5. Find out the data type of your given number

In [10]:

```
# 5.Find out the data type of your given number
a1=10
b1=2.4
c=2+3j
d=[1,3,3,4,5]
d="Python"
e={1,2,3,4,5}
f={1:1,2:2}
g=True
h=False
i=frozenset(f)
j=bytearray(5)
k=b"hello"
l=None
m=memoryview(j)
print(type(a1))
print(type(b1))
print(type(c))
print(type(e))
print(type(f))
print(type(g))
print(type(h))
print(type(i))
print(type(k))
print(type(l))
print(type(m))
```

```
<class 'int'>
<class 'float'>
<class 'complex'>
<class 'set'>
<class 'dict'>
<class 'bool'>
<class 'bool'>
<class 'frozenset'>
<class 'bytes'>
<class 'NoneType'>
<class 'memoryview'>
```

Operators In python

1. Store any number of three digits and display the sum of digits , ex: mynumber =345 , result should be 3+4+5=12

In [12]:

```
n=int(input("Enter the Number : "))
str_convert=str(n)
digits=0
for digit in str_convert:
    digits+=int(digit)
print(f"thee sum of three numbers 3+4+5= {digits}")
```

```
Enter the Number : 345
thee sum of three numbers 3+4+5= 12
```

2. Store any number of two digits display the reverse of the number ex num=45 , result should be 54

In [17]:

```
num_1=int(input("Enter the number :"))
convert_str=str(num_1)
nu_2=int(convert_str[::-1])
print(f"The reverse of the number {nu_2}")
```

```
Enter the number :45
The reverse of the number 54
```

3. search a particular letter repeated for number of times from a given text ex: str="apple" search for 'p'

In [18]:

```
name=input("Enter the name ")
count_num_times=name.count("p")
print(f"The letter repeated for number of times from the given text {name} the count of the letter {count_num_time
```

```
Enter the name apple
The letter repeated for number of times from the given text apple the count of the letter 2
```

4.store any two number from run time find the average of two numbers

In [22]:

```
# 4.store any two number from run time find the average of two numbers
l=23456789
l1=23456789
sum=l+l1
average=sum/2
print(f"The two number from the run time average of two numbers {sum},{average}")
```

```
The two number from the run time average of two numbers 46913578,23456789.0
```

Conditional Statement and loop:

1. enter any number as input and show the number divisible by 5

In [25]:

```
# 1.enter any number as input and show the number divisible by 5
n_1=int(input("Enter the number:"))
if n_1%5==0:
    print("Yes! the given number is divisible by 5")
else:
    print("No! Given number is not divisible by 5")
```

```
Enter the number:45
Yes! the given number is divisible by 5
```

2. enter two numbers and calculate the difference and store in third variable find it is positive or negative number

In [29]:

```
# 2.enter two numbers and calculate the difference and store in third variable find it is positive or negative numb
n4=int(input("Enter the number : "))
n5=int(input("Enter the number : "))
diff=n4-n5
if diff>0:
    print("Given number is Positive number ")
elif diff<0:
    print("Given number is negative number ")
else:
    print("Given number is Zero ")
```

```
Enter the number : 20
Enter the number : 10
Given number is Positive number
```

3. find out the smallest value of given three numbers

In [31]:

```
# 3.find out the smallest value of given three numbers
A=2
B=4
C=6
if A<B or B>C:
    print(f"The smallest values of the given numbers {A}")
else:
    print("Given number is negative")
```

```
The smallest values of the given numbers 2
```

4. Rajesh want to open bank account with amount 3000 , bank expected minimum deposit is 5000 , write the python code to validate this condition.

In [33]:

```
# 4.Rajesh want to open bank account with amount 3000 , bank expected minimum deposit is 5000 , write the python co
inital_deposit=int(input("Enter the amount :"))
minium_deposit=5000
if inital_deposit>=minium_deposit:
    print("Your account open sucessfully ")
else:
    print("Please! deposit mininum_deposit amount ")
```

```
Enter the amount :6000
Your account open sucessfully
```