In [2]: `list1 = [1,2,3,[1,[2,3,[{"name":"anik"},2,4]]],{"age":23}]`

```
list1 = [1,2,3,[1,[2,3,[{"name":"anik"},2,4]]],{"age":23}]
          0 1 2 -------------3----------------    4
                0   --------1---------------
                  0 1    --2--------------
                          0            1 2
```

In [2]: `len(list1)`

Out[2]: 5

In [3]: `list1[0]`

Out[3]: 1

In [5]: `list1[1]`

Out[5]: 2

In [6]: `list1[2]`

Out[6]: 3

In [14]: `list1[3]`

Out[14]: `[1, [2, 3, [{'name': 'anik'}, 2, 4]]]`

In [6]: `list1[3][1][2][0]['name']`

Out[6]: `'anik'`

In [25]: `list1[4]['age']`

Out[25]: 23

```
take user input for a special char a and b
check the special character
if special + then add
```

```
if * perform mul
if / perform div
else print any random statement
```

In [28]:
```python
a=int(input("Enter a value "))
b=int(input("Enter a value "))
special=input("Enter '+'' or '*'' or '/' ")
if(special=='+'):
    print(a+b)
elif(special=='*'):
    print(a*b)
elif(special=='/'):
    print(a/b)
else:
    print("Ivalid input")
```

```
Enter a value 10
Enter a value 20
Enter '+'' or '*'' or '/' /
0.5
```

In [30]:
```python
total=100
country="India"
if(country=="US"):
    if(total<=50):
        print("Shipping cost is 50 dollar")
    elif(total<=100):
        print("Shipping cost is 100 dollar")
    elif(total<=150):
        print("Shipping cost is 150 dollar")
    else:
        print("It's Free")
if(country=="India"):
    if(total<=50):
        print("Shipping cost is 50 rs")
    elif(total<=100):
        print("Shipping cost is 100 rs")
    elif(total<=150):
        print("Shipping cost is 150 rs")
    else:
        print("It's Free")
```

Shipping cost is 100 rs

from 0 to 100 print even no using for loops

In [40]:
```python
for i in range (100):
    if(i%2==0):
        print(i,end=" ")
```

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98

In [41]:
```python
for i in range(0,100,2):
    print(i,end=" ")
```

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98

In [ ]: