In [5]:
```
# creating a list
list_1=[12,21,23,32,34,43]

#Adding an element to list
list_1.append(44)
print(list_1)

#removing an element from list
list_1.remove(32)
print(list_1)

#modifying an element in the list
list_1[3]=50
print(list_1)

#item from index 2 to index 4 (slicing)
n=list_1[2:5]
print(n)

#inserting an element in the list
list_1.insert(3,64)
print("updated list is :",list_1)
```

```
[12, 21, 23, 32, 34, 43, 44]
[12, 21, 23, 34, 43, 44]
[12, 21, 23, 50, 43, 44]
[23, 50, 43]
updated list is : [12, 21, 23, 64, 50, 43, 44]
```

In [20]:
```
# tuple
tuple_1 = (90,70,50,30)

# add new element to the tuple
B = 10
tuple_1=tuple_1+(B,)
print(tuple_1)

#searching index
print(tuple_1[1:5])

# remove an element form the tuple
tuple_1=tuple_1[:2]+tuple_1[4:]
print(tuple_1)

#modifing a element in the tuple
mod_element=55
tuple_1=tuple_1[:1]+(mod_element,)
print(tuple_1)
```

```
(90, 70, 50, 30, 10)
(70, 50, 30, 10)
(90, 70, 10)
(90, 55)
```

In [10]:
```
# creating a dictionary
student={"Name":"nobita","class":"eight","Age":14,"Mark":"95%"}
print(type(student))

#adding a key value pair to the dictionary
```

```
print(student)

#removing a key value pair from the dictionary
del student["Age"]
print(student)

# updateing the value in the dictionary
student["Mark"]="92%"
print("Correct percentage ",student)
```

```
<class 'dict'>
{'Name': 'nobita', 'class': 'eight', 'Age': 14, 'Mark': '95%', 'gender': 'male'}
{'Name': 'nobita', 'class': 'eight', 'Mark': '95%', 'gender': 'male'}
Correct percentage  {'Name': 'nobita', 'class': 'eight', 'Mark': '92%', 'gender': 'ma
le'}
```

In [ ]: