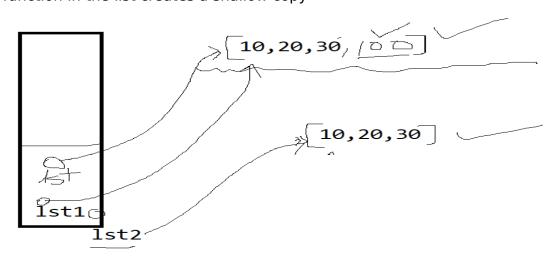
List

- 1. It is a heterogeneous collection of data
- 2. It is ordered collection.
- 3. It allows to access data by index, and hence random access is possible
- 4. It allows to store duplicate values.
- 5. It is mutable.
- 6. It is represented using []

It adds single value at the end of the list
It adds all values at the end from iterable one by one
in the lst
It will add the value at the given position, if position is
out of bounds, then it will insert at the end
It will delete the data from last index position if the pos
is not given, otherwise it deletes from the given
position
It will delete the first occurrence of the given value
from the list if found, otherwise it throws an exception
It deletes the data from the given position
It will give you the position of the first occurrence if
found, otherwise it throws an exception
It removes all the data from the list, and keeps the list
with 0 length
It will reverse order of the list, but it changes the
original list
It will sort the list only if the list is homogenous, it
changes the original list
It is used to create a shallow copy of the list

Copy function in the list creates a shallow copy



lst=[12,23,34]

lst1=lst

lst.append(100)

print(lst)
print(lst1)

lst2=lst.copy()
lst.append(200)
print(lst,lst1)
print(lst2)

Zip(lst,lst1,lst2,ls t3)	It is used to read data from multiple lists simulteneouly

10,3,4,12,5,68 lst2=list(filter(lambda x:x%2==0,lst))

[10,4,12,68]

10,3,4,12,5,68 map(lambda x:x+10 ,lst))

20,13,14,22,15,78

