1.clear

```
In [28]:   list1=['Apple','Ball','Cat','Dog','elephant','Fox','Goat']
           list1.clear()
           #list.clear() takes no arguments
```

```
In [2]:    list1
```

```
Out[2]:    []
```

2.copy

```
In [6]:    list2=[10,20,30,40,50,60,70,80,90]
           list2.copy()
           # list.copy() takes no arguments
```

```
Out[6]:    [10, 20, 30, 40, 50, 60, 70, 80, 90]
```

3.count

```
In [12]:   list3=[10,10,10,20,20,30,30,40,40,40,50]
           list3.count(40)
           #list.count() takes exactly one argument
```

```
Out[12]:   3
```

4.extend

- concatination
- append

```
In [16]:   #extend
           list2=[10,20,30,40,50,60,70,80,90]
           list2.extend('100')
           list2
```

```
Out[16]:   [10, 20, 30, 40, 50, 60, 70, 80, 90, '1', '0', '0', '1', '0', '0']
```

```
In [24]:   #append
           list22=list2.append(25)
           list2
```

```
Out[24]:   [10, 20, 30, 40, 50, 60, 70, 80, 90, '1', '0', '0', '1', '0', '0', 25, 25, 25]
```

```
In [27]:   #concatinate
           l1=[10,20,30,40,50]
           l2=['Apple','Ball','Cat']
           l3=l1+l2
           l3
```

Out[27]: `[10, 20, 30, 40, 50, 10, 20, 30, 40, 50]`

5.index

In [18]:
```python
list5=['Apple','Ball','Cat','Dog','elephant','Fox','Goat']
list5.index('Fox')
```

Out[18]: 5

Q6) can canner can not a can but canner can you make a can

- find out the each word how many times repeated
- step-1 : split it
- step-2: iterate it
- step-3: we have count method (count shoud not use)

In [20]:
```python
str1='can canner can not a can but canner can you make a can'
l1=str1.split()
print(l1,end=' ')


count=0
for i in l1:
    if i=='can':
        count=count+1
print(f"can is {count} times.")
count=0
for i in l1:
    if i=='canner':
        count=count+1
print(f"canner is {count} times.")
count=0
for i in l1:
    if i=='not':
        count=count+1
print(f"not is {count} times.")
count=0
for i in l1:
    if i=='a':
        count=count+1
print(f" a is {count} times.")
count=0
for i in l1:
    if i=='but':
        count=count+1
print(f"but is {count} times.")
count=0
for i in l1:
    if i=='you':
        count=count+1
print(f"you is {count} times.")
count=0
for i in l1:
```

```
    if i=='make':
        count=count+1
print(f"make is {count} times.")
```

['can', 'canner', 'can', 'not', 'a', 'can', 'but', 'canner', 'can', 'you', 'make',
'a', 'can'] can is 5 times.
canner is 2 times.
not is 1 times.
 a is 2 times.
but is 1 times.
you is 1 times.
make is 1 times.