```python
In [1]: l=[1,2,3,4]
        print(len(l))
```

```
4
```

```python
In [26]: #functions
         l=[4,5,6]
         n=[7,8,9]
         ls=l+n
         print(ls)
         for i in range(len(ls)):
             m=max(ls)
         #for j in range(len(ls)):
            # x=max(ls)
         print("length of list is:",len(ls))
         print("sumis:",sum(ls))
         avg=sum(ls)/len(ls)
         print("max value is:",m)
         print("average is:",avg)
```

```
[4, 5, 6, 7, 8, 9]
length of list is: 6
sumis: 39
max value is: 9
average is: 6.5
```

```python
In [41]: l=[10,45,1,2,89,0]
         l.sort()
         l.reverse()

         print(l)
```

```
[89, 45, 10, 2, 1, 0]
```

```python
In [59]: #remove method
         l=[10,45,1,2,89,0]
         l.remove(45)
         print(l)
```

```
[10, 1, 2, 89, 0]
```

```python
In [60]: #pop method
         l=[10,45,1,2,89,0]
         l.pop(0)
```

```
        print(l)
```

[45, 1, 2, 89, 0]

In [64]:
```
#count
l=[10,45,1,2,89,0,5,5,5,5,5,5,5,5,5,5,5]
k=l.count(5)
print(k)
```

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In [66]:
```
#index
l=[10,45,1,2,89,0,8,5,5,5,5,5,5,5,5,5,5,5,5]
k=l.index(5)
print(k)
```

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In [74]:
```
#copying a list
l=[10,45,1,2,89,0,8,5,5,5,5,5,5,5,5,5,5,5,5]
m=l[5:9]
print(m)
```

[0, 8, 5, 5]

In [76]:
```
#delete
l=[10,45,1,2,89,0,8,5,5,5,5,5,5,5,5,5,5,5,5]
m=l[5:9]
print(m)
```

[45, 1, 2, 89, 0, 8, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5]

In [77]:
```
#updating
l=[10,45,1,2,89,0,8,5,5,5,5,5,5,5,5,5,5,5,5]
l[0]=67
print(l)
```

[67, 45, 1, 2, 89, 0, 8, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5]

In [ ]:

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