

```
In [1]: 15=['kavya',22,[2,2],[0,6]]  
15
```

```
Out[1]: ['kavya', 22, [2, 2], [0, 6]]
```

```
In [3]: print(len(15))
```

```
4
```

```
In [5]: 15.index(22)  
15
```

```
Out[5]: ['kavya', 22, [2, 2], [0, 6]]
```

```
In [7]: 15.index('kavya')
```

```
Out[7]: 0
```

```
In [9]: 15.index([2,2])  
15
```

```
Out[9]: ['kavya', 22, [2, 2], [0, 6]]
```

```
In [11]: 16=[5,6,{'kim','tae'},{'v','cookie'}]  
16
```

```
Out[11]: [5, 6, {'kim', 'tae'}, {'cookie', 'v'}]
```

list slicing

```
In [14]: mylist=[1,'five',3]  
mylist
```

```
Out[14]: [1, 'five', 3]
```

```
In [16]: mylist[:]
```

```
Out[16]: [1, 'five', 3]
```

```
In [19]: mylist[2:]
```

```
Out[19]: [3]
```

```
In [21]: mylist[1:3]
```

```
Out[21]: ['five', 3]
```

```
In [23]: mylist[-3:-1]
```

```
Out[23]: [1, 'five']
```

```
In [27]: x=3  
y=2
```

```
x//y
```

Out[27]: 1

```
In [29]: a= 'hello'  
a[1:4]
```

Out[29]: 'ell'

```
In [31]: x=[10,20,30]  
max(x)
```

Out[31]: 30

```
In [38]: x.len(20)
```

```
-----  
AttributeError                                Traceback (most recent call last)  
Cell In[38], line 1  
----> 1 x.len(20)  
  
AttributeError: 'list' object has no attribute 'len'
```

```
In [40]: 15
```

Out[40]: ['kavya', 22, [2, 2], [0, 6]]

```
In [42]: 15.len(15)
```

```
-----  
AttributeError                                Traceback (most recent call last)  
Cell In[42], line 1  
----> 1 15.len(15)  
  
AttributeError: 'list' object has no attribute 'len'
```

```
In [44]: len(15)
```

Out[44]: 4

```
In [46]: x=20.3  
int(x)
```

Out[46]: 20

```
In [48]: x
```

Out[48]: 20.3

```
In [50]: isinstance(x,int)
```

Out[50]: False

```
In [52]: type(x)
```

Out[52]: float

```
In [54]: s='20'  
s
```

```
Out[54]: '20'
```

```
In [56]: l3=['c','d','e',2]  
print(l3.pop())
```

```
2
```

```
In [60]: var=2  
print(2==2.0)
```

```
True
```

```
In [62]: num= 4+0j  
print(type(num))
```

```
<class 'complex'>
```

```
In [64]: num=0.2  
print(int(0.2))
```

```
0
```

```
In [71]: a='python'+".py"  
a
```

```
Out[71]: 'python.py'
```

```
In [ ]: str1 = """Ault\Kelly
```

```
In [ ]:
```