```
In [1]: txt = "  abc def ghi   "
        txt.lstrip()
```

Out[1]: 'abc def ghi   '

```
In [2]: txt= "  abc def ghi   "
        txt.strip()
```

Out[2]: 'abc def ghi'

```
In [3]: mystr = " my favourite colour is " black""
```

```
  Cell In[3], line 1
    mystr = " my favourite colour is " black""
                                            ^
SyntaxError: invalid syntax
```

```
In [6]: mystr = " my favourite colour is \"black\""
        print(mystr)
```

 my favourite colour is "black"

```
In [7]: list1 = []
```

```
In [8]: list1
```

Out[8]: []

```
In [9]: print(type(list1))
```

        <class 'list'>

```
In [10]: list2=[10,30,60]
```

```
In [11]: list2
```

Out[11]: [10, 30, 60]

```
In [12]: list3=[2.3,4.5,6.7]
```

```
In [13]: list3
```

Out[13]: [2.3, 4.5, 6.7]

```
In [14]: list4=['sai', 'priya', 'anu']
```

```
In [15]: list4
```

Out[15]: ['sai', 'priya', 'anu']

```
In [16]: list5 = ['dellip', 33,[50,100],[140,230]]
```

```
In [17]: list5
```

Out[17]: ['dellip', 33, [50, 100], [140, 230]]

```python
In [18]: list6 = [100, 'dellip',23.4]
```

```python
In [19]: list6
```

```
Out[19]: [100, 'dellip', 23.4]
```

```python
In [20]: list7 = ['dellip',33,[50,100],[140,230],{'sai','priya'}]
```

```python
In [21]: list7
```

```
Out[21]: ['dellip', 33, [50, 100], [140, 230], {'priya', 'sai'}]
```

```python
In [23]: len(list6)
```

```
Out[23]: 3
```

```python
In [25]: list2[0]
```

```
Out[25]: 10
```

```python
In [26]: list4[0]
```

```
Out[26]: 'sai'
```

```python
In [27]: list4[0][0]
```

```
Out[27]: 's'
```

```python
In [28]: list4[-1]
```

```
Out[28]: 'anu'
```

```python
In [29]: list5[-1]
```

```
Out[29]: [140, 230]
```

```python
In [30]: mylist = ['sai', 'priya', 'anu', 'mahesh', 'vyshnu', 'pavan', 'charan', 'kittu',
         mylist
```

```
Out[30]: ['sai',
          'priya',
          'anu',
          'mahesh',
          'vyshnu',
          'pavan',
          'charan',
          'kittu',
          'dellip']
```

```python
In [31]: mylist[0:3]
```

```
Out[31]: ['sai', 'priya', 'anu']
```

```python
In [32]: mylist[2:5]
```

```
Out[32]:  ['anu', 'mahesh', 'vyshnu']
```

```
In [33]:  mylist[:3]
```

```
Out[33]:  ['sai', 'priya', 'anu']
```

```
In [34]:  mylist[:2]
```

```
Out[34]:  ['sai', 'priya']
```

```
In [35]:  mylist[-3:]
```

```
Out[35]:  ['charan', 'kittu', 'dellip']
```

```
In [36]:  mylist[-2:]
```

```
Out[36]:  ['kittu', 'dellip']
```

```
In [37]:  mylist[-1]
```

```
Out[37]:  'dellip'
```

```
In [38]:  mylist[:]
```

```
Out[38]:  ['sai',
           'priya',
           'anu',
           'mahesh',
           'vyshnu',
           'pavan',
           'charan',
           'kittu',
           'dellip']
```

```
In [39]:  mylist
```

```
Out[39]:  ['sai',
           'priya',
           'anu',
           'mahesh',
           'vyshnu',
           'pavan',
           'charan',
           'kittu',
           'dellip']
```

```
In [40]:  mylist.append('sunny')
          mylist
```

```
Out[40]: ['sai',
          'priya',
          'anu',
          'mahesh',
          'vyshnu',
          'pavan',
          'charan',
          'kittu',
          'dellip',
          'sunny']
```

```
In [41]: mylist.insert(1,'jaya')
```

```
In [42]: mylist
```

```
Out[42]: ['sai',
          'jaya',
          'priya',
          'anu',
          'mahesh',
          'vyshnu',
          'pavan',
          'charan',
          'kittu',
          'dellip',
          'sunny']
```

```
In [43]: mylist.insert(2,'DELLIP')
         mylist
```

```
Out[43]: ['sai',
          'jaya',
          'DELLIP',
          'priya',
          'anu',
          'mahesh',
          'vyshnu',
          'pavan',
          'charan',
          'kittu',
          'dellip',
          'sunny']
```

```
In [45]: mylist.remove('DELLIP')
         mylist
```

```
Out[45]: ['sai',
          'jaya',
          'priya',
          'anu',
          'mahesh',
          'vyshnu',
          'pavan',
          'charan',
          'kittu',
          'dellip',
          'sunny']
```

```
In [46]: mylist.pop()
```

```
mylist
```

Out[46]: ['sai',
           'jaya',
           'priya',
           'anu',
           'mahesh',
           'vyshnu',
           'pavan',
           'charan',
           'kittu',
           'dellip']

In [47]: mylist.pop(8)
         mylist

Out[47]: ['sai',
           'jaya',
           'priya',
           'anu',
           'mahesh',
           'vyshnu',
           'pavan',
           'charan',
           'dellip']

In [48]: del mylist[7]
         mylist

Out[48]: ['sai', 'jaya', 'priya', 'anu', 'mahesh', 'vyshnu', 'pavan', 'dellip']

In [49]: mylist[0] = 1
         mylist[1] = 2
         mylist[2] =3
         mylist

Out[49]: [1, 2, 3, 'anu', 'mahesh', 'vyshnu', 'pavan', 'dellip']

In [50]: mylist.clear()
         mylist

Out[50]: []

In [51]: del mylist
         mylist

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[51], line 2
      1 del mylist
----> 2 mylist

NameError: name 'mylist' is not defined
```

In [52]: mylist = ['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine'
         mylist

Out[52]: ['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']

```
In [53]: mylist1=mylist
```

```
In [54]: mylist1
```

```
Out[54]: ['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

```
In [57]: id(mylist), id(mylist1)
```

```
Out[57]: (3089266065472, 3089266065472)
```

```
In [58]: mylist2 = mylist.copy()
         mylist2
```

```
Out[58]: ['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

```
In [59]: id(mylist2)
```

```
Out[59]: 3089266236992
```

```
In [60]: mylist[0]=1
         mylist
```

```
Out[60]: [1, 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

```
In [61]: mylist1
```

```
Out[61]: [1, 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

```
In [62]: mylist2
```

```
Out[62]: ['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

```
In [63]: list1 = ['sai', 'priya', 'anu']
         list2 = ['dellip', 'charan', 'pavan']
         list1
         list2
```

```
Out[63]: ['dellip', 'charan', 'pavan']
```

```
In [64]: print(list1)
         print(list2)
```

```
['sai', 'priya', 'anu']
['dellip', 'charan', 'pavan']
```

```
In [65]: list3 = list1+list2
         list3
```

```
Out[65]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [66]: list1.extend(list2)
```

```
In [67]: list1
```

```
Out[67]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [68]: list1
```

```
Out[68]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [70]: 'sai' in list1
```

```
Out[70]: True
```

```
In [71]: 'dellip' in list1
```

```
Out[71]: True
```

```
In [72]: 'sunny' in list1
```

```
Out[72]: False
```

```
In [73]: if 'dellip' in list1:
             print(' dellip is present in list')
         else:
             print(' dellip is not present in list')
```

```
dellip is present in list
```

```
In [74]: if 'sunny' in list1:
             print(' sunny is present in list')
         else:
             print(' sunny is not present in list')
```

```
sunny is not present in list
```

```
In [75]: list1
```

```
Out[75]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [76]: list1.reverse()
         list1
```

```
Out[76]: ['pavan', 'charan', 'dellip', 'anu', 'priya', 'sai']
```

```
In [77]: list1 = list1[::-1]
```

```
In [78]: list1
```

```
Out[78]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [80]: mylist3 = [1,4,3,78,35,21]
         mylist3.sort()
         mylist3
```

```
Out[80]: [1, 3, 4, 21, 35, 78]
```

```
In [81]: mylist3 = [1,4,3,78,35,21]
         mylist3.sort(reverse=True)
         mylist3
```

```
Out[81]: [78, 35, 21, 4, 3, 1]
```

```
In [82]: mylist4 = [88,65,33,21,11,98]
         sorted(mylist4)
```

```
Out[82]: [11, 21, 33, 65, 88, 98]
```

```
In [83]: mylist4
```

```
Out[83]: [88, 65, 33, 21, 11, 98]
```

```
In [84]: list1
```

```
Out[84]: ['sai', 'priya', 'anu', 'dellip', 'charan', 'pavan']
```

```
In [85]: for i in list1:
             print(i)
```

```
sai
priya
anu
dellip
charan
pavan
```

```
In [86]: for i in enumerate(list1):
             print(i)
```

```
(0, 'sai')
(1, 'priya')
(2, 'anu')
(3, 'dellip')
(4, 'charan')
(5, 'pavan')
```

```
In [90]: list10 = ['one','two','three', 'four', 'one', 'one','two','three']
         list10
```

```
Out[90]: ['one', 'two', 'three', 'four', 'one', 'one', 'two', 'three']
```

```
In [91]: list10.count('one')
```

```
Out[91]: 3
```

```
In [92]: list10.count('two')
```

```
Out[92]: 2
```

```
In [93]: list10.count('four')
```

```
Out[93]: 1
```

```
In [94]: l1= [1,2,3,4,5]
         l1
```

```
Out[94]: [1, 2, 3, 4, 5]
```

```
In [95]: all(l1)
```

Out[95]: True

In [96]: `any(l1)`

Out[96]: True

In [97]:
```python
l2 = [1,2,3,4,True,False]
l2
```

Out[97]: [1, 2, 3, 4, True, False]

In [98]: `all(l2)`

Out[98]: False

In [99]: `any(l2)`

Out[99]: True

In [100…
```python
l3 = [1,2,3,True]
l3
```

Out[100… [1, 2, 3, True]

In [101… `all(l3)`

Out[101… True

In [102… `any(l3)`

Out[102… True

In [ ]: