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 TV Series is "Game of Thrones""
```

```
  Cell In[3], line 1
    mystr="My favourite TV Series is "Game of Thrones""
                                      ^
SyntaxError: invalid syntax
```

In [4]:
```
mystr="My favourite series is\"Games of Thrones\""
print(mystr)
```

```
My favourite series is"Games of Thrones"
```

In [5]:
```
list1=[]
```

In [6]:
```
print(type(list1))
```

```
<class 'list'>
```

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

In [11]:
```
list3=[1.2,3.7,5.8,43.9]
```

In [12]:
```
list4=['priya','Mouni','mahesh']
```

In [13]:
```
list5=['Priya',30,[10,20],[40,50]]
```

In [14]:
```
list6=[30,'priya',8.90]
```

In [15]:
```
list7=['priya',24,[30,90],[80,50],{'Mouni','Priya'}]
```

In [16]:
```
len(list6)
```

Out[16]:
```
3
```

In [17]:
```
list2[0]
```

Out[17]:
```
10
```

In [18]:
```
list4[0]
```

Out[18]:
```
'priya'
```

In [19]:
```
list4[0][0]
```

Out[19]:
```
'p'
```

In [20]:
```
list4[-1]
```

Out[20]: 'mahesh'

In [21]:
```
list5[-1]
```

Out[21]: [40, 50]

In [22]:
```
mylist=['Anu','Bhanu','chandu','Danush','Emily','frank','goa','henry']
```

In [23]:
```
mylist[0:3]
```

Out[23]: ['Anu', 'Bhanu', 'chandu']

In [24]:
```
mylist[2:5]
```

Out[24]: ['chandu', 'Danush', 'Emily']

In [25]:
```
mylist[:3]
```

Out[25]: ['Anu', 'Bhanu', 'chandu']

In [26]:
```
mylist[:2]
```

Out[26]: ['Anu', 'Bhanu']

In [27]:
```
mylist[-3]
```

Out[27]: 'frank'

In [28]:
```
mylist[-2]
```

Out[28]: 'goa'

In [29]:
```
mylist[-1]
```

Out[29]: 'henry'

In [30]:
```
mylist[:]
```

Out[30]: ['Anu', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank', 'goa', 'henry']

In [31]:
```
mylist
```

Out[31]: ['Anu', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank', 'goa', 'henry']

In [32]:
```
mylist.append('jack')
mylist
```

Out[32]: ['Anu', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank', 'goa', 'henry', 'jack']

In [33]:
```
mylist.insert(1,'benz')
mylist
```

Out[33]:
```
['Anu',
 'benz',
 'Bhanu',
 'chandu',
 'Danush',
 'Emily',
 'frank',
 'goa',
 'henry',
 'jack']
```

In [34]:
```
mylist.insert(5,'ALBERT')
mylist
```

Out[34]:
```
['Anu',
 'benz',
 'Bhanu',
 'chandu',
 'Danush',
 'ALBERT',
 'Emily',
 'frank',
 'goa',
 'henry',
 'jack']
```

In [37]:
```
mylist.remove('ALBERT')
mylist
```

Out[37]:
```
['Anu', 'benz', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank', 'henry', 'jack']
```

In [38]:
```
mylist.pop()
mylist
```

Out[38]:
```
['Anu', 'benz', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank', 'henry']
```

In [40]:
```
mylist.pop(7)
mylist
```

Out[40]:
```
['Anu', 'benz', 'Bhanu', 'chandu', 'Danush', 'Emily', 'frank']
```

In [42]:
```
del mylist[5]
mylist
```

Out[42]:
```
['Anu', 'benz', 'Bhanu', 'chandu', 'Danush', 'frank']
```

In [43]:
```
mylist[0]=5
mylist[1]=9
mylist[2]=7
mylist
```

Out[43]:
```
[5, 9, 7, 'chandu', 'Danush', 'frank']
```

In [44]:
```
mylist.clear()
mylist
```

Out[44]:
```
[]
```

In [45]:
```
del mylist
mylist
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[45], line 2
      1 del mylist
----> 2 mylist

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

In [46]:
```
mylist=['one','two','three','four','five','six','seven','eight','nine']
```

In [47]:
```
mylist1=mylist
```

In [48]:
```
id(mylist),id(mylist1)
```

Out[48]:
```
(1606429580544, 1606429580544)
```

In [49]:
```
mylist2=mylist.copy()
```

In [50]:
```
id(mylist2)
```

Out[50]:
```
1606429574784
```

In [51]:
```
mylist[0]=1
```

In [52]:
```
mylist
```

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

In [53]:
```
mylist1
```

Out[53]:
```
[1, 'two', 'three', 'four', 'five', 'six', 'seven', 'eight', 'nine']
```

In [54]:
```
mylist2
```

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

In [55]:
```
list1=['mouni','abhi','karna','mahesh']
list2=['bhavana','vyshu','vyshnu','pavan']
```

In [56]:
```
list3=list1+list2
list3
```

Out[56]:
```
['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']
```

In [57]:
```
list1.extend(list2)
list1
```

Out[57]:
```
['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']
```

In [58]:
```
list1
```

Out[58]:
```
['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']
```

In [59]:
```
'mouni' in list1
```

Out[59]: True

In [60]:
```
'ten'in list1
```

Out[60]: False

In [61]:
```
if 'pavan' in list1:
    print('pavan is present in the list')
else:
    print('pavan is not present in the list')
```

```
pavan is present in the list
```

In [62]:
```
if 'bhargav' in list1:
    print('bhargav is present in the list')
else:
    print('bhargav is not present in the list')
```

```
bhargav is not present in the list
```

In [63]:
```
list1
```

Out[63]: ['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']

In [64]:
```
list1.reverse()
list1
```

Out[64]: ['pavan', 'vyshnu', 'vyshu', 'bhavana', 'mahesh', 'karna', 'abhi', 'mouni']

In [71]:
```
list1=list1[::-1]
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[71], line 1
----> 1 list1=list1[::-1]

TypeError: list[slice(None, None, -1)] is not a generic class
```

In [73]:
```
list1 = ['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pava
list1
```

Out[73]: ['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']

In [74]:
```
list1.reverse()
list1
```

Out[74]: ['pavan', 'vyshnu', 'vyshu', 'bhavana', 'mahesh', 'karna', 'abhi', 'mouni']

In [76]:
```
list1 = list1[::-1]
```

In [77]:
```
list1
```

Out[77]: ['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']

In [78]:
```
mylist3=[9,22,90,40,60,70]
mylist3.sort()
```

```
mylist3
```

Out[78]: [9, 22, 40, 60, 70, 90]

In [79]:
```
mylist3=[9,22,90,40,60,70]
mylist3.sort(reverse=True)
mylist3
```

Out[79]: [90, 70, 60, 40, 22, 9]

In [80]:
```
mylist4=[99,36,89,56,38]
sorted(mylist4)
```

Out[80]: [36, 38, 56, 89, 99]

In [81]:
```
mylist4
```

Out[81]: [99, 36, 89, 56, 38]

In [82]:
```
list1
```

Out[82]: ['mouni', 'abhi', 'karna', 'mahesh', 'bhavana', 'vyshu', 'vyshnu', 'pavan']

In [83]:
```
for i in list1:
    print(i)
```

```
mouni
abhi
karna
mahesh
bhavana
vyshu
vyshnu
pavan
```

In [84]:
```
for i in enumerate(list1):
    print(i)
```

```
(0, 'mouni')
(1, 'abhi')
(2, 'karna')
(3, 'mahesh')
(4, 'bhavana')
(5, 'vyshu')
(6, 'vyshnu')
(7, 'pavan')
```

In [85]:
```
list10=['one','two','three','four','one','one','two','three']
```

In [86]:
```
list10.count('one')
```

Out[86]: 3

In [87]:
```
list10.count('two')
```

Out[87]: 2

In [88]:
```
list10.count('four')
```

Out[88]: 1

In [89]:
```
L1=[1,2,3,4,0]
```

In [90]:
```
all(L1)
```

Out[90]: False

In [91]:
```
any(L1)
```

Out[91]: True

In [92]:
```
L2=[1,2,3,4,True,False]
```

In [93]:
```
all(L2)
```

Out[93]: False

In [94]:
```
any(L2)
```

Out[94]: True

In [95]:
```
L3=[1,2,3,True]
```

In [96]:
```
all(L3)
```

Out[96]: True

In [ ]:
```

```