24th

```
txt = " abc def ghi "
txt.lstrip()
```

```
'abc def ghi '
```

```
txt = " abc def ghi "
txt.strip()
```

```
'abc def ghi'
```

```
mystr = "My favourite TV Series is "Game of Thrones""
```

```
  Cell In[45], line 1
    mystr = "My favourite TV Series is "Game of Thrones""
                                       ^
SyntaxError: invalid syntax
```

```
mystr = "My favourite series is \"Game of Thrones\""
print(mystr)
```

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

```
list1=[]
print(type(list1))
```

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

```
list2=[10,30.60]
list3=[10,77,30.66,60.89]
list4 = ['one','two' , "three"]
list5 = ['Asif', 25 ,[50, 100],[150, 90]]
list6 = [100, 'Asif', 17.765]
list7 = ['Asif', 25 ,[50, 100],[150, 90] , {'John' , 'David'}]
len(list6)
```

```
3
```

```
list2[0]
```

```
10
```

```
list4[0]
```

```
'one'
```

```
list4[0][0]
```

```
'o'
```

```
list4[-1]
```

```
'three'
```

```
list5[-1]
```

```
[150, 90]
```

```
mylist = ['one' , 'two' , 'three' , 'four' , 'five' , 'six' ,
'seven' , 'eight']
mylist[0:3]
```

```
['one', 'two', 'three']
```

```
mylist[2:6]
```

```
['three', 'four', 'five', 'six']
```

```
mylist[:3]
```

```
['one', 'two', 'three']
```

```
mylist[:2]
```

```
['one', 'two']
```

```
mylist[-3:]
```

```
['six', 'seven', 'eight']
```

```
mylist[-2:]
```

```
['seven', 'eight']
```

```
mylist[-1:]
```

```
['eight']
```

```
mylist[:]
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
mylist
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
mylist.append('nine')
mylist
```

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

```
mylist.insert(9,'ten')
mylist
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight',
'nine', 'ten']
```

```
mylist.insert(1,'ONE')
mylist
```

```
['one',
 'ONE',
 'two',
 'three',
 'four',
 'five',
 'six',
 'seven',
 'eight',
 'nine',
 'ten']
```

```
mylist.remove('ONE')
mylist
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight',
'nine', 'ten']
```

```
mylist.pop()
mylist
```

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

```
mylist.pop(8)
mylist
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
del mylist[7]
mylist
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven']
```

```
mylist[0] = 1
mylist[1] = 2
mylist[2] = 3
mylist
```

```
[1, 2, 3, 'four', 'five', 'six', 'seven']
```

```
mylist.clear()
mylist
```

```
[]
```

```
del mylist
mylist
```

```
---------------------------------------------------------------------
-----
NameError                                 Traceback (most recent call
last)
Cell In[72], line 2
      1 del mylist
----> 2 mylist

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

```
mylist = ['one', 'two', 'three', 'four', 'five',
          'six', 'seven', 'eight', 'nine']
mylist1 = mylist
```

```
id(mylist) , id(mylist1)
```

```
(2905003304704, 2905003304704)
```

```
mylist2 = mylist.copy()
```

```
id(mylist2)
```

```
2905002676864
```

```
mylist[0] = 1
mylist
```

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

```
mylist1
```

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

```
mylist2
```

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

```
list1 = ['one', 'two', 'three', 'four']
list2 = ['five', 'six', 'seven', 'eight']

list3 = list1 + list2
list3
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
list1.extend(list2)
list1
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
list1
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
'one' in list1
```

```
True
```

```
'ten' in list1
```

```
False
```

```
if 'three' in list1:
    print('Three is present in the list')
else:
    print('Three is not present in the list')
```

```
Three is present in the list
```

```
if 'eleven' in list1:
    print('eleven is present in the list')
else:
    print('eleven is not present in the list')
```

```
eleven is not present in the list
```

```
list1
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
list1.reverse()
list1
```

```
['eight', 'seven', 'six', 'five', 'four', 'three', 'two', 'one']
```

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

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
mylist3 = [9,5,2,99,12,88,34]
mylist3.sort()
mylist3
```

```
[2, 5, 9, 12, 34, 88, 99]
```

```
mylist3 = [9,5,2,99,12,88,34]
mylist3.sort(reverse=True)
mylist3
```

```
[99, 88, 34, 12, 9, 5, 2]
```

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

```
[11, 21, 33, 65, 88, 98]
```

```
mylist4
```

```
[88, 65, 33, 21, 11, 98]
```

```
list1
```

```
['one', 'two', 'three', 'four', 'five', 'six', 'seven', 'eight']
```

```
for i in list1:
    print(i)
```

```
one
two
three
four
five
six
seven
eight
```

```
for i in enumerate(list1):
    print(i)
```

```
(0, 'one')
(1, 'two')
(2, 'three')
(3, 'four')
(4, 'five')
(5, 'six')
(6, 'seven')
(7, 'eight')
```

```
list10 =['one', 'two', 'three', 'four',
         'one', 'one', 'two', 'three']
```

```
list10.count('one')
```

```
3
```

```
list10.count('two')
```

```
2
```

```
list10.count('four')
```

```
1
```

```
L1 = [1,2,3,4,0]
all(L1)
```

```
False
```

```
any(L1)
```

```
True
```

```
L2 = [1,2,3,4,True,False]
all(L2)
```

```
False
```

```
any(L2)
```

```
True
```

```
L3 = [1,2,3,True]
all(L3)
```

```
True
```