List

### Basics

>>> a=[1,2,3,4,5,6,7,8]

>>> a.reverse()

>>> print(a)

[8, 7, 6, 5, 4, 3, 2, 1]

>>> print(a.reverse())

None

>>> print(a)

[1, 2, 3, 4, 5, 6, 7, 8]

>>> a.append('abhi')

>>> print(a)

[1, 2, 3, 4, 5, 6, 7, 8, 'abhi']

>>> b=['asd','asf','asg']

>>> a.append(b)

>>> print(b)

['asd', 'asf', 'asg']

>>> print(a)

[1, 2, 3, 4, 5, 6, 7, 8, 'abhi', ['asd', 'asf', 'asg']]

### Copy, Count & Extend

>>> c=[1,2,3,4,5,6,7,8,9]

>>> d=c

>>> print(d)

[1, 2, 3, 4, 5, 6, 7, 8, 9]

>>> e=['asd','\'\'',"\'\'"]

>>> d.extend(e)

>>> print(e)

['asd', "''", "''"]

>>> print(d)

[1, 2, 3, 4, 5, 6, 7, 8, 9, 'asd', "''", "''"]

>>> e.extend('\"')

>>> print(e)

['asd', "''", "''", '"']

>>> d.count(1)

1

### Insert & Remove

>>> d.insert(3,[1,])

>>> print(d)

[1, 2, 3, [1], 4, 5, 6, 7, 8, 9, 'asd', "''", "''"]

>>> d.remove([1])

>>> print(d)

[1, 2, 3, 4, 5, 6, 7, 8, 9, 'asd', "''", "''"]

>>> d.insert([3][1],(1,2))

IndexError: list index out of range

>>> d.insert(3.1,[1,])

TypeError: integer argument expected, got float

>>> d.insert(2,3)

>>> print(d)

[1, 2, 3, 3, 4, 5, 6, 7, 8, 9, 'asd', "''", "''"]

# Removing Duplicates

>>> d.remove(3)

>>> print(d)

[1, 2, 3, 4, 5, 6, 7, 8, 9, 'asd', "''", "''"]

# For pop when index is not passed

>>> print(d.pop())

''

>>> print(d.pop(3))

4

>>> print(d.pop(-1))

''

### Sort

>>> d.sort()

TypeError: '<' not supported between instances of 'str' and 'int'

>>> f=[1,3,2,4,5,3,6,77,56]

>>> f.sort()

>>> print(f)

[1, 2, 3, 3, 4, 5, 6, 56, 77]

>>> f.sort(reverse = true)

NameError: name 'true' is not defined

>>> f.sort(reverse = True)

>>> print(f)

[77, 56, 6, 5, 4, 3, 3, 2, 1]