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Notebook

Code Text

```

I
I
I
I
I
I
I
I

('apple', 'banana', 'orange', 'guava')
apple
guava
orange
('apple', 'banana')
('apple', 'banana', 'orange', 'guava')
```

Code Text

append

Code Text

```

I
.
I
.
I

['apple', 'banana', 'guava', 'pineapple', 'watermelon']
['apple', 'banana', 'guava', 'pineapple', 'watermelon', 'mango']
['apple', 'banana', 'kiwi', 'guava', 'pineapple', 'watermelon', 'mango']
```

Code Text

extend

```
fruit=['apple','banana','guava','pineapple','watermelon']
fruits=['orange',]
print("delicious")
fruit.extend(fruits)
print(fruit)

delicious
['apple', 'banana', 'guava', 'pineapple', 'watermelon', 'orange']
```

Code Text

```
##removing

fruit=['apple','banana','guava','pineapple','watermelon']
print(fruit)
fruit.remove('apple')
print(fruit)

['apple', 'banana', 'guava', 'pineapple', 'watermelon']
```



```
['banana', 'guava', 'pineapple', 'watermelon']
```

Code Text

```
num=[3,4,5,6,1,2]
num.sort()
print(num)
num.sort(reverse=True)
print(num)

[1, 2, 3, 4, 5, 6]
[6, 5, 4, 3, 2, 1]
```

pop

Code Text

```
details=['name','rollno','marks']
## Printing
print(details)
## Inserting
details.insert(3,'address')
print(details)
## Adding
details.append('village')
print(details)
## Removing
details.remove('marks')
print(details)
## Pop
details.pop(2)
print(details)
## Delete
del details[1]
print(details)

['name', 'rollno', 'marks']
['name', 'rollno', 'marks', 'address']
['name', 'rollno', 'marks', 'address', 'village']
['name', 'rollno', 'address', 'village']
['name', 'rollno', 'village']
['name', 'village']
```

Code Text

```
alphabet=['a','b','c','d','B']
alphabet.sort()
print(alphabet)
alphabet.sort(reverse=True)
print(alphabet)

['B', 'C', 'a', 'b', 'd']
['d', 'b', 'a', 'c', 'B']
```

Code Text

```
## lenght
num=['05','07','22','08','64','55']
print(num)
print(len(num))

['05', '07', '22', '08', '64', '55']
6
```

Code Text

```
## reverse
num=[1,3,8,99,45]
num.reverse()
print(num)

[45, 99, 8, 3, 1]
```

Code Text

```
## for loop
colours=['orange','red','blue','grey']
for i in range(0, 4):
    print(colours[i])

orange
red
blue
grey
```

Code Text

```
## while loop
colours=['orange','red','blue','grey']
i=0
while i<=3:
    print(colours[i])
    i=i+1

orange
red
blue
grey
```

Code Text

```
## changing all elements in list into upper case
colours=['orange','red','green','yellow']
Colours=[i.upper() for i in colours]
print(Colours)

['ORANGE', 'RED', 'GREEN', 'YELLOW']
```

Code Text

```
## Copy list
```

```
rainbow=['violet','indigo','blue','green','yellow','orange','red']
colours=rainbow.copy()
print(colours)
```

['violet', 'indigo', 'blue', 'green', 'yellow', 'orange', 'red']

Code Text

```
## Joining of lists
colours=['red','blue','green','yellow']
rainbow=['violet','indigo','blue','green','yellow','orange','red']
print(colours+rainbow)
```

['red', 'blue', 'green', 'yellow', 'violet', 'indigo', 'blue', 'green', 'yellow', 'orange', 'red']

Code Text

```
## printing th index of an item
colours=['orange','red','green','yellow']
colours.index('green')
```

2

Code Text

```
## changing an element
colours=['orange','red','green','yellow']
colours[2]='blue'
print(colours)
```

['orange', 'red', 'blue', 'yellow']

Code Text

```
⌘
{
{
|
```

['orange', 'grey']

Code Text

*values: object, hint