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Code

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Text

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Notebook

Code Text

```
# Print a list
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
```

Code Text

```
# Print an item in list
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
print(Fruit[0])

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
Mango
```

Code Text

```
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
print(Fruit[1])

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
Banana
```

Code Text

```
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
print(Fruit[0])
print(Fruit[1])
print(Fruit[2])
print(Fruit[3])
print(Fruit[4])

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
Mango
Banana
pineapple
papaya
dragon fruit
```

Code Text

```
# Printint multiple elements
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
print(Fruit[0:2])

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana']
```

Code Text

```

|
|
|
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|
|
|
|
|
|

['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana']
['Mango', 'Banana']
['Banana']
['Banana', 'pineapple', 'papaya', 'dragon fruit']
['pineapple', 'papaya', 'dragon fruit']
```



```
['Mango', 'Banana', 'pineapple']
```

```
# Append
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
Fruit.append("jack fruit")
print(Fruit)
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit', 'jack fruit']
```

```
⌘
|
|
|
|
|
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana', 'jack fruit', 'pineapple', 'papaya', 'dragon fruit']
```

Code Text

```
⌘
|
|
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|
|
|
|
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Litchi', 'pomogranate', 'coconut']
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit', 'Litchi', 'pomogranate', 'coconut']
```

Code Text

```
⌘
|
|
|
|
|
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana', 'pineapple', 'papaya']
```

Code Text

```
⌘
|
|
|
|
|
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana', 'pineapple', 'papaya']
```

Code Text

```
# Delete
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
del Fruit[3]
print(Fruit)
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
['Mango', 'Banana', 'pineapple', 'dragon fruit']
```

Code Text

```
# Clear the list
Fruit=['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
print(Fruit)
Fruit.clear()
print(Fruit)
```

```
['Mango', 'Banana', 'pineapple', 'papaya', 'dragon fruit']
[]
```

```
# Sorting
Num=[10,30,50,70,90]
Num.sort()
print(Num)
```

```
[10, 30, 50, 70, 90]
```

Code Text

```
# Descending order
Alphabet=['Q','O','P','D','M','Y']
Alphabet.sort(reverse =True)
print(Alphabet)

['Y', 'Q', 'P', 'O', 'M', 'D']
```

Code Text

```
# Descending order
Number=[4,7,8,9,5,3]
Number.sort(reverse =True)
print(Number)
```

```
[9, 8, 7, 5, 4, 3]
```

Code Text



```
l
l
l
l
```

```
[90, 56, 32, 78, 45]
```

```
# List length
Alphabet=['Q','O','P','D','M','Y','R','Z','U']
print(len(Alphabet))
```

```
9
```

Code Text

```
# Copying a list
Fruits=['apple','guava','grapes','orange']
Fruit=Fruits.copy()
print(Fruit)
```

```
['apple', 'guava', 'grapes', 'orange']
```

Code Text

```
# Joining of lists
details=['name','rollno','section','marks']
address=['doorno','apartment','street','city','pincode']
print(details+address)
```

```
['name', 'rollno', 'section', 'marks', 'doorno', 'apartment', 'street', 'city', 'pincode']
```

Code Text

```
# Index of an element in list
fruits=['apple','banana','mango','watermelon']
fruits.index('watermelon')
```

```
3
```

Code Text

```
# Change item in a list
fruits=['orange','mango','apple','guava']
fruits[1]='grapes'
print(fruits)
```

```
['orange', 'grapes', 'apple', 'guava']
```

Code Text

```
# Replacing of multiple elements with a single element
fruits=["apple", "banana", "cherry","grapes","orange","watermelon"]
fruits[1:5]=["mango"]
print(fruits)
```

```
['apple', 'mango', 'watermelon']
```

Code Text

```
# For loop in lists
fruits=['orange','mango','grapes']
for i in range(0,3):
    print(fruits[i])
```

```
orange
mango
grapes
```

Code Text

```
# While loop in lists
fruits=['orange','mango','grapes']
i=0
while i<3:
    print(fruits[i])
    i=i+1
```

```
orange
mango
grapes
```

Code Text

```
# Changing items into uppercase
fruits = ["apple", "banana", "cherry", "kiwi", "mango"]
Fruits=[x.upper() for x in fruits]
print(Fruits)
```

```
['APPLE', 'BANANA', 'CHERRY', 'KIWI', 'MANGO']
```

Code Text

```
# Printing all elements into only one element
fruit=['mango','orange','kiwi']
Fruit=['guava' for i in fruit]
print(Fruit)
```

```
['guava', 'guava', 'guava']
```

*values: object, hint