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Notebook

list

```
efruit=["kiwi","mango","apple","watermelon"]
print(fruit)
print(fruit[0:2])
print(fruit[:2])
print(fruit[1:2])
print(fruit[1:])
print(fruit[3:])
print(fruit[0:])
```

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

Append,insert,removing,pop,del,clear,sort,desending,alph

```
[1]##append
fruit=["kiwi","mango","apple","watermelon"]
print(fruit)
fruit.append("papaya")
print(fruit)
print(type(fruit))
```

```
[2]##inserting into list
fruit.insert(4,"jackfruit")
print(fruit)
fruit=["kiwi","mango","apple","watermelon"]
print(fruit)
```

```
[3]##removing into list
fruit.remove("apple")
print(fruit)
```

```
[4]##pop into list
fruit=["kiwi","mango","apple","watermelon"]
fruit.pop(1)
print(fruit)
```

```
[5]##del into list
del fruit[0]
print(fruit)
```

```
[6]##clear the list content
fruit.clear()
print(fruit)
```

```
[7]##sort list
num=[10,25,85,44]
num.sort()
print(num)
```

```
[8]##sort in desending
num=[10,25,85,44]
num.sort(reverse=True)
print(num)
```

```
[9]##alph in list
alph=["h","a","r","s"]
alph.sort()
print(alph)
```

```
['kiwi', 'mango', 'apple', 'watermelon']
['kiwi', 'mango', 'apple', 'watermelon', 'papaya']
<class 'list'>
['kiwi', 'mango', 'apple', 'watermelon', 'jackfruit', 'papaya']
['kiwi', 'mango', 'apple', 'watermelon']
['kiwi', 'mango', 'watermelon']
['kiwi', 'apple', 'watermelon']
['apple', 'watermelon']
[]
[10, 25, 44, 85]
[85, 44, 25, 10]
['a', 'h', 'r', 's']
```

Code Text

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

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

Code Text

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

orange
red
blue
grey
```

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

```
orange
red
blue
grey
```

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

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

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

Code Text