

```
## FRUITS
```

```
fruit=['apple','banana','guava','pineapple','watermelon']  
print(fruit)  
print(fruit[0])  
print(fruit[-1])  
print(fruit[-2])  
print(fruit[0:2])  
print(fruit[:2])  
print(fruit[1:])
```

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

```
## Append
```

```
fruit=['apple','banana','guava','pineapple','watermelon']  
print(fruit)  
fruit.append('mango')  
print(fruit)  
fruit.insert(2,'kiwi')  
print(fruit)
```

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

```
## extend an element
```

```
fruit=['apple','banana','guava','pineapple','watermelon']  
fruits=['orange','mango','kiwi']  
fruit.extend(fruits)
```

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

```
## remove an element
```

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

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

```
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']

```

```

num=['05','07',' ','12','64','55']
print(num)
num.sort()
print(num)
num.sort(reverse=True)
print(num)

```

```

['05', '07', ' ', '12', '64', '55']
['05', '07', ' ', '12', '55', '64']
['64', '55', '12', '07', ' ', '05']

```

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```

print(alphabet)
alphabet.sort(reverse=True)
print(alphabet)

```

```

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

```

```

## lenght
num=['05','07',' ','22','08','64','55','96','82','10023981','88854975164']
print(num)
print(len(num))

```

```
[ '05', '07,', '22', '08', '64', '55', '96', '82', '10023981', '88854975164']  
10
```

```
## print numbers below 6
```

```
i = 1
```

```
while i < 6:
```

```
    print(i)
```

```
    i += 1
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
## copy list
```

```
rainbow=['violet','indigo','blue','green','yellow']
```

```
colours=rainbow.copy()
```

```
print(colours)
```

```
['violet', 'indigo', 'blue', 'green', 'yellow']
```

```
## changing an elemnt
```

```
colours=['orange','green','blue','pink']
```

```
colours[1]='black'
```

```
print(colours)
```

```
['orange', 'black', 'blue', 'pink']
```

```
## replacing items
```

```
colours=['pink','black','violet','green']
```

```
colours[1:3]=['grey']
```

```
print(colours)
```

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```
## joinig of list
```

```
colours=['red','blue','green','yellow']
```

```
fruits=['apple','grapes','kiwi','orange']
```

```
print(colours+fruits)
```

```
['red', 'blue', 'green', 'yellow', 'apple', 'grapes', 'kiwi', 'orange']
```

```
## printing the index of an item
```

```
colours=['yellow','blue','pink']
```

```
colours.index('pink')
```

2

```
## using for loop
colours=['orange','red','green','yellow']
for i in range(1, 3):
    print(colours[i])
```

```
red
green
```

```
## reverse
number=['55','65','76','75']
number.reverse()
print(number)
```

```
['75', '76', '65', '55']
```

```
## all items will print as one item
colours=['red','white','blue']
colours=['purple' for i in colours]
print(colours)
```

```
['purple', 'purple', 'purple']
```

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

```
orange
red
green
```

Saved successfully!



o upper case
low']

```
COLOURS=[i.upper() for i in colours]
print(COLOURS)
```

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

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