

```
In [ ]: print("hi")
s = []
print(s)
```

hi
[]

CREATION OF A LIST

```
In [ ]: thislist = ["apple", "banana", "cherry"]
print(thislist)
```

['apple', 'banana', 'cherry']

ALLOW DUPLICATION

```
In [ ]: thislist = ["apple", "banana", "cherry", "apple", "cherry"]
print(thislist)
```

['apple', 'banana', 'cherry', 'apple', 'cherry']

LENGTH OF LIST

```
In [ ]: thislist = ["apple", "banana", "cherry"]
print(len(thislist))
```

3

```
In [ ]: list1 = ["apple", "banana", "cherry"]
list2 = [1, 5, 7, 9, 3]
list3 = [True, False, False]
print(list2+list1)
print(type(list1))
print(thislist[1])
```

[1, 5, 7, 9, 3, 'apple', 'banana', 'cherry']
<class 'list'>
orange

```
In [ ]: thislist = ["apple", "banana", "cherry"]
thislist.append("orange")
print(thislist)
```

['apple', 'banana', 'cherry', 'orange']

```
In [ ]: thislist = ["apple", "banana", "cherry"]
thislist.insert(1, "orange")
print(thislist)
```

['apple', 'orange', 'banana', 'cherry']

```
In [ ]: thislist = ["apple", "banana", "cherry"]
thislist.remove("banana")
print(thislist)
```

['apple', 'cherry']

```
In [ ]: thislist = ["apple", "banana", "cherry"]
thislist.pop(1)
print(thislist)
```

['apple', 'cherry']

```
In [ ]: thislist = ["apple", "banana", "cherry"]
        for i in range(len(thislist)):
            print(thislist[i])
```

apple
banana
cherry

```
In [ ]: thislist = ["apple", "banana", "cherry", "orange"]
        i = 0
        while i < len(thislist):
            print(thislist[i])
            i=i+1
```

apple
banana
cherry
orange

```
In [ ]: l1 = ["apple", "banana", "cherry", "orange"]
        l1.reverse()
        print(l1)
        l1.extend(thislist)
        print(l1)
        l1.remove("apple")
        print(l1)
```

['orange', 'cherry', 'banana', 'apple']
['orange', 'cherry', 'banana', 'apple', 'apple', 'banana', 'cherry', 'orange']
['orange', 'cherry', 'banana', 'apple', 'banana', 'cherry', 'orange']