

Python Programming | Basics | Collections

Step by Step

LISTS

There are 4 Collection data types in Python

[List](#) | [Tuple](#) | [Set](#) | [Dictionary](#)

List	[]	ordered indexed changeable duplicates
Tuple	()	ordered indexed unchangeable duplicates
Set	{}	unordered unindexed no duplicates
Dictionary	{K:V}	unordered changeable indexed no duplicates

CODE - List

```
my_list = ["Tokyo", "London", "New York"]
print(my_list)
print(my_list[2])
```

```
my_list[2] = "New Delhi"
print(my_list)
```

```
for val in my_list:
    print(val)
```

```
print(len(my_list))
```

```
my_list.append("Boston")
print(my_list)
my_list.insert(4,"Durham")
print(my_list)
```

```
my_list.remove("Tokyo")
print(my_list)
my_list.pop(1)
print(my_list)
```

```
del my_list[1]
print(my_list)
```

```
my_list.clear()
print(my_list)
```

```
fruits = ["apples", "oranges", "cherry"]
print(fruits)
fruits.reverse()
print(fruits)
```

```
my_list_2 = ["apples", 1,2,3.0]
my_list_3 = ["apples", [1,2,3], ['a','b','c']]
print(my_list_3[1][1])
```