

# Python Programming | Basics | Collections

Step by Step

## TUPLE

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 - Tuple

```
my_tuple = ("Apples", "Oranges", "Grapes")

print(my_tuple)
print(my_tuple[1])
print(my_tuple[-1])
print(my_tuple[0:2])

for val in my_tuple:
    print(val)

# my_tuple[3] = "Cherry"
# del my_tuple

print(len(my_tuple))

my_tuple_2 = ("Banana", (1,2,3), ["Tokyo", "New Delhi"])
print(my_tuple_2)
print(my_tuple_2[2][1])

my_tuple_2[2][1] = "New York"
print(my_tuple_2)

print("Banana" in my_tuple_2) # True
print("Cherry" in my_tuple_2) # False
```