

There are four basic data types in python a beginner should know.They are as follows:

LIST
SET
TUPLE
DICTIONARY

- **LIST-**

1.Definition: Lists are used to store multiple items in a single variable.

2.Declaring a List: It can be defined using square brackets i.e. []

3.List properties: Stores heterogeneous elements, mutable, indexed, ordered.

- **TUPLE-**

1.Set Definition: Sets in python are same as that in mathematics.Its also used to store multiple unique values in single variable.

2.Declaring a Set: It can be defined by set([element1,element2,...]) or by using curly braces that contains elements.

3.Set Properties: Stores heterogeneous elements, immutable, unindexed, unordered.

- **SET-**

1.Tuple Definition: Tuples are also used to store multiple items in a single variable.

2.Declaring a Tuple: You can define it by using small brackets i.e (element1,).

3.Tuple Properties: Stores heterogeneous elements, immutable, unindexed and unordered.

- **DICTIONARY-**

1.dictionary definition: Dictionary is used to store multiple key pairs with their keys and values in a single variable.

2.Declaring a dictionary: You can define it by using curly braces i.e. {key:key_value,...}

3.Dictionary properties: Stores heterogeneous keys and values, unique keys, mutable, indexed, unordered.

The Following Table will help you to learn quickly the basic differences between these data types-

MUTABLE	List and Dictionary
IMMUTABLE	Tuple and Set(elements can be added but not changed)
ORDERED	List and Tuple

UNORDERED	Set and Dictionary
INDEXED	List, Tuple and Dictionary
UNINDEXED	Set