

Python with Data Science

**ITERABLE OBJECT (ADVANCED DATATYPE)**

**Iterable Object (Advance Datatypes)**

In the pervious lesson we learnt about the basic datatypes in python, now we will be discussing the advance datatypes in python which is also known as Iterable object which are capable of holding multiple, of the basic datatype

we will be looking at 3 of this Advance datatypes which is listed as follows:

1. Tuple
2. List
3. Dictionary

**Tuple**

Tuple is an immutable (unchangeable) collection of elements of different data types. It is an ordered collection, so it preserves the order of elements in which they were defined.

Tuples are defined by enclosing elements in parentheses (), separated by a comma. Read more about tuple with the below link

<https://www.tutorialsteacher.com/python/python-tuple>

**List**

In Python, the list is a mutable sequence type. A list object contains one or more items of different data types in the square brackets [] separated by a comma.

 Read more about List with the below link

<https://www.tutorialsteacher.com/python/python-list>

**Dictionary**

he dictionary is an unordered collection that contains key:value pairs separated by commas inside curly brackets. Dictionaries are optimized to retrieve values when the key is known.

 A Dictionary object contains one or more items of different data types in the square brackets {} separated by a comma.

 Read more about dictionary with the below link

<https://www.tutorialsteacher.com/python/python-dictionary>