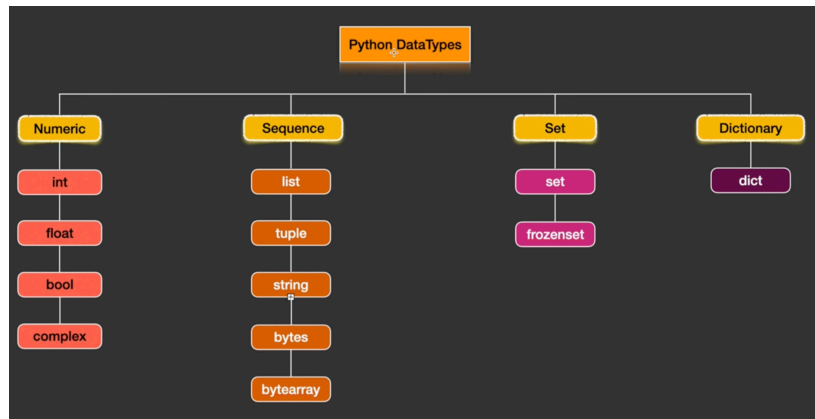


Py

## Python Data Types

- Python is a very rich language in terms of data types as it provides various data types as shown below



- The example of **numeric** data types are

Int :

`x = 10`

Float :

`y = 19.5`

bool :

`z = TRUE`

Complex :

`a = c + ib`

- The **sequence** type holds collection of data
- The **set** type of data is also collection of data however the difference between set and sequence is
- In Sequence type all data item have its own index where as in set there is no index value for data elements

**Example of Sequence data type is :**

List :

`[ 2,3,4,75,7 ]`

Tuple :

`( 4,68,2,4,6 )`

String:

“python” , ‘ hello’

Byte :

it contain only 1 byte of data

it allows value from 0 -255

Bytearray :

it contain array of byte data

**Example of set data type is :**

Set :

{ 2,4,8,0,12 }

Frozen set :

it is also like set but frozen mean the data cannot be modified

- The **Dictionary** data type mean it can contain key and value pair
- It is useful for storing and retrieving the data much faster

**Example :**

name : “John”

rollno : 23

dept : ‘cs’