

Difference between a List, Tuple, Set, and Dictionary

List	Tuple	Set	Dictionary
A collection of items of any data type	A collection of items of any data type	A set in Python is like a mathematical set. It does not hold duplicate values	A Python dictionary contains key-value pairs just as a real-world dictionary has a word and its meaning pair.
Example: X=['a',2,True,'b']	Example: X=('a',2,True,'b')	Example: X={1,2,3,4}	Example: X= {1:'Jan', 2:'Feb', 3:'Mar'}
Mutable (can be edited)	Immutable (Cannot be edited)	Mutable (can be edited)	Mutable (can be edited)
Supports Indexing	Supports Indexing	Does not Supports Indexing in python	Supports Indexing using keys
Function: list()	Function: tuple()	Function: set()	Function: dict()