

Difference between List,Tuple,Set and Dictionary-

List	Tuples	Set	Dictionary
1.A list is a collection of ordered data.	1. A tuple is an ordered collection of data.	1.A set is an unordered collection.	1. A dictionary is an unordered collection of data that stores data in key-value pairs.
2.List are mutable.	2. Tuples are immutable.	2.Sets are mutable and have no duplicate elements.	2.Dictionary are mutable and keys do not allow duplicates.f
3.List are declared with square brackets.	3. Tuples are enclosed within parenthesis.	3. Sets are represented in curly brackets.	3. Dictionaries are enclosed in curly brackets in the form of key value pairs.
4. List can use nested among all Ex.[1,2,3,4,5]	4.Tuple can use nested among all Ex.(1,2,3,4,5)	4. Set can use nested among all Ex.{1,2,3,4,5}	4. Dictionary can use nested among all Ex.{1,2,3,4,5}
5. List can be created using list() function.	5. Tuple can be created using tuple() function.	5. Set can be created using set() function.	5.Dictionary can be created using dict() function.
6. Creating an empty list t=[]	6. Creating an empty tuple t=()	6. Creating an set A = set() B = set(A)	6. Creating an empty dictionary D = {}
7. List can be sliced.	7.Tuple can be sliced.	7.Set cannot be sliced.	7. Dictionary cannot be sliced