LIST	TUPLE	SETS	dictionary
List is a data structure which can hold multiple values	Tuple is a data structure which can hold multiple values	Set is a data structure which can hold multiple values	Dictionary is a data structure which can hold multiple values
It can be defined using **[] or list()** `lst = [1,2,3,4]  lst2 = list((1,2,3,4))'`	It can be defined using **() or list()** `tup= [1,2,3,4]  tup2= tuple((1,2,3,4))'`	It can be defined using **{} or set()** `set1= {1,2,3,4}  set2 = set((1,2,3,4))'`	The values are stored in a key value pair
It can be a collection of **different data types** list1 = [1,"hi",2.5,False]	It can be a collection of different data types tup2= (1,"hi",2.5,False)	It can be a collection of different data types set1= {1,"hi",2.5,False}	It can be defined using () or dict() `dict1= ("Name":"Tom","age":23)  lst2 = list((1,2,3,4))'`
It can be accessed by **indexing and is ordered** print(list1[2]) ---->2.5	It can be **accessed by indexing** and is **ordered** print(tup2[2]) ---->2.5	It**cannot be accessed by indexing and is unordered** print(set2[2]) ---->error	It can be a collection of different data types list1 = [1,"hi",2.5,False]
We **can modify** the values of the list using indexing- **mutable** list1[3]="hello"------>[1,"hi",-2.5,"Hello"]	We **cannot** modify the values of the tuple using indexing- **immutable** tup2[3]="hello"------>error	We can modify the values of the list using iteration- **mutable**	It can be accessed by indexing and is in order print(list1[2]) ---->2.5
			We can modify the values of the list using indexing- mutable list1[3]="hello"------>[1,"hi",-2.5,"Hello"]