Understand iterable types

Matching exercise

You're done!

By understanding how different iterables work, you will be able to leverage dictionaries and sets to store more complex data, reference data by keys, and manipulate data stored.

Feature by Data Structure	Dictionary	Set	List	String	Tuple
Definition	Stores key:value pairs	An unordered collection of unique elements	A sequential, mutable collection of any data type	A sequential, immutable collection of textual data	A sequential, immutable collection of any data type
Representation	{ 'a':[42], 'b':[23,6,1] }	{'^2', 'mc', ' equal', 'E'}	['a','b', 3, 4]	"call me ishmael"	('commander','lambda')
How to create?	x = {}, x = dict()	x = set()	x = [], x = list()	x = (), x = str()	x = ('a','b',), x=tuple()
Is structure mutable and allow duplicate elements?	immutable keys but mutable and duplicate values	mutable but unique elements only	mutable and allows duplicate elements	immutable but allows duplicate elements	immutable but allows duplicate elements
Is the structure iterable?	no, it is unordered and random	no, it is unordered and unique	yes, and with numeric index assignment	yes, but with a sequence of textual data	yes, and with numeric index assignment

Start over