Dictionary

Dictionaries are used to store data values in key value pairs.

A dictionary is a collection which is ordered, changeable and do not allow duplicates.

As of Python version 3.7, dictionaries are *ordered*. In Python 3.6 and earlier, dictionaries are *unordered*.

Dictionaries are written with curly brackets, and have keys and values:

**Dictionary items**

Dictionary items are ordered, changeable, and do not allow duplicates.

Dictionary items are presented in key:value pairs, and can be referred to by using the key name

**Dictionary Length**

To determine how many items a dictionary has, use the [len()](https://www.w3schools.com/python/ref_func_len.asp) function:

## Dictionary Items - Data Types

The values in dictionary items can be of any data type

## type()

From Python's perspective, dictionaries are defined as objects with the data type 'dict':