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## Dictionary

A data structure that stores `key:value` pairs

Generally, this data structure is called a *hash table*.

### key

Unique identifier.

Keys can only be immutable types in python (like strings or number literals, but not lists)

### value

Can be any python data type

**DO NOT ASSUME KEY:VALUE PAIRS ARE IN ANY KIND OF USEFUL ORDER.**

They are not stored in the order added, or numerically/alphabetically. In fact, the same dictionaries can store their data in different orders on different computers.

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