

Dictionary/Map

Operations:

- Add(K key, V value) adds given key-value pair in the dictionary. With most implementations of this class in .NET, when adding a key that already exists, an exception is thrown.
- Get(K key) returns the value by the specified key. If there is no pair with this key, the method returns null or throws an exception depending on the specific dictionary implementation.
- Remove(key) removes the value, associated with the specified key and returns a Boolean value, indicating if the operation was successful.
- Contains(key) returns true if the dictionary has a pair with the selected key
- Count returns the number of elements (key value pairs) in the dictionary

Notes:

- Abstract Data Structure
- "map" or "associative array"
- maps keys to values
- hash table is one implementation