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