Mini Doc

## ArrayList Methods

add(E e): Adds the specified element to the end of the list.

add(int index, E element): Inserts the specified element at the specified position in the list.

get(int index): Returns the element at the specified position in the list.

set(int index, E element): Replaces the element at the specified position with the specified element.

remove(int index): Removes the element at the specified position.

remove(Object o): Removes the first occurrence of the specified element.

size(): Returns the number of elements in the list.

clear(): Removes all elements from the list.

isEmpty(): Returns true if the list contains no elements.

indexOf(Object o): Returns the index of the first occurrence of the specified element.

contains(Object o): Returns true if the list contains the specified element.

## HashMap Methods

put(K key, V value): Associates the specified value with the specified key in the map.

get(Object key): Returns the value to which the specified key is mapped.

remove(Object key): Removes the mapping for the specified key from the map if present.

containsKey(Object key): Returns true if the map contains a mapping for the specified key.

containsValue(Object value): Returns true if the map maps one or more keys to the specified value.

keySet(): Returns a Set view of the keys contained in the map.

values(): Returns a Collection view of the values contained in the map.

entrySet(): Returns a Set view of the mappings contained in the map.

size(): Returns the number of key-value mappings in the map.

isEmpty(): Returns true if the map contains no key-value mappings.

clear(): Removes all mappings from the map.


HashSet Methods

add(E e): Adds the specified element to the set if it is not already present.

remove(Object o): Removes the specified element from the set if it is present.

contains(Object o): Returns true if the set contains the specified element.

size(): Returns the number of elements in the set.

isEmpty(): Returns true if the set contains no elements.

clear(): Removes all elements from the set.

iterator(): Returns an iterator over the elements in the set.

toArray(): Returns an array containing all elements in the set.


Stack Methods

push(E item): Pushes an item onto the top of this stack.

pop(): Removes the object at the top of this stack and returns that object.

peek(): Looks at the object at the top of this stack without removing it.

empty(): Tests if this stack is empty.

search(Object o): Returns the 1-based position where an object is on this stack.