## Map Method Summary

| Modifier and Type | Method and Description |
|---|---|
| void | **clear**()<br>Removes all of the mappings from this map (optional operation). |
| boolean | **containsKey**(Object key)<br>Returns true if this map contains a mapping for the specified key. |
| boolean | **containsValue**(Object value)<br>Returns true if this map maps one or more keys to the specified value. |
| Set<Map.Entry<K,V>> | **entrySet**()<br>Returns a Set view of the mappings contained in this map. |
| V | **get**(Object key)<br>Returns the value to which the specified key is mapped, or null if this map contains no mapping for the key. |
| int | **hashCode**()<br>Returns the hash code value for this map. |
| boolean | **isEmpty**()<br>Returns true if this map contains no key-value mappings. |
| Set<K> | **keySet**()<br>Returns a Set view of the keys contained in this map. |
| V | **put**(K key, V value)<br>Associates the specified value with the specified key in this map (optional operation). |
| void | **putAll**(Map<? extends K,? extends V> m)<br>Copies all of the mappings from the specified map to this map (optional operation). |
| default V | **putIfAbsent**(K key, V value)<br>If the specified key is not already associated with a value (or is mapped to null) associates it with the given value and returns null, else returns the current value. |
| V | **remove**(Object key)<br>Removes the mapping for a key from this map if it is present (optional operation). |
| default boolean | **remove**(Object key, Object value)<br>Removes the entry for the specified key only if it is currently mapped to the specified value. |
| default V | **replace**(K key, V value)<br>Replaces the entry for the specified key only if it is currently mapped to some value. |
| default boolean | **replace**(K key, V oldValue, V newValue)<br>Replaces the entry for the specified key only if currently mapped to the specified value. |
| int | **size**()<br>Returns the number of key-value mappings in this map. |
| Collection<V> | **values**()<br>Returns a Collection view of the values contained in this map. |