|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Method | Return Type | Description (List) | Description (Set) |
| 1. | add(Object element) | boolean | append the specified element in argument to the end of the list. | insert a new value to the set.  It returns false if the element is already present in the set and returns true if it is not present in the set. |
| 2. | addAll(Collection c) | boolean | appends all the elements from the given collection to the end of the list, in the order that they are returned by the specified collection’s iterator. | appends all the elements of the specified collection to the set. |
| 3. | remove(Object element) | boolean | used to simply remove an object from the List. If there are multiple such objects, then the first occurrence of the object is removed. | used to remove a specified element from the Set. It returns true if the element is available in the set and returns false if it is unavailable in the set. |
| 4. | removeAll(Collectionc c) | Boolean | remove all the elements present in the collection from the specified list.  returns True if elements are removed and list changes | removes all the elements of the existing set from the specified collection. |
| 5. | clear() | void | remove all of the elements from the List container. | removes all the elements from the set. It doesn't delete the reference of the set. It only deletes the elements of the set. |
| 6. | size() | Integer | used to get the number of elements in this list. | The method returns the size of the set. |
| 7. | contains(Object element) | boolean | used to check if the list contains the given element or not. It returns true if the list contains the element. | used to know the presence of an element in the set. Its return value is true or false depending on the presence of the element. |
| 8. | Iterator() | Iterator<E> | Returns an iterator to the start of the invoking list | used to find the iterator of the set. The iterator is used to get the element one by one. |
| 9. | toArray() | Object[] | returns an array containing all the elements present in the list in proper order. | form an array of the same elements as that of the Set. Basically, it copies all the element from a Set to a new array. |