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| **No** | **Method** | **Return Type** | **Description(List)** | **Description(Set)** |
| 1 | add(Object element) | The function returns True if the element is not present in the set and is new, else it returns False if the element is already present in the set | used to add a element into a list collection | used to add a specific element into a Set collection |
| 2 | addAll(Collection c) | This method returns a boolean value. It returns true if the collection is inserted correctly into the list, otherwise, it returns false. | This method is used to append all the elements identified by the collection **c** at the end of the list, in the same order returned by the collection’s iterator | method is used to append all of the elements from the mentioned collection to the existing set. The elements are added randomly without following any specific order |
| 3 | remove(Object element) | This method returns True if the specified element is present in the Set otherwise it returns False. | method of List interface in Java is used to remove the first occurrence of the specified element *obj* from this List if it is present in the List. | method is used to remove a particular element from a Set. |
| 4 | removeAll(Collection c) | true if this list/set changed as a result of the call | method is used to remove all the elements from a list that are contained in the specified collection. | method is used to remove all the elements from a set that are contained in the specified collection. |
| 5 | clear() | The method does not returns any value. | method does not deleted the List container, instead it justs removes all of the elements from the List | method only clears all the element from the set and not deletes the set |
| 6 | size() | his method returns the **number of elements** in this list. | method of List interface in Java is used to get the number of elements in this list. That is, this method returns the count of elements present in this list container | method is used to get the size of the Set or the number of elements present in the Set. |
| 7 | contains(Object element) | The method returns true if the element is present in the list/set else return False. | method of List interface in Java is used for checking if the specified element exists in the given list or not. | method is used to check whether a specific element is present in the Set or not. |
| 8 | iterator() | The method iterates over the elements of the set /list and returns the values(iterators). | Iterator over each element in the list | method is used to return an iterator of the same elements as the set. The elements are returned in random order from what present in the set. |
| 9 | toArray() | The method returns an array containing the elements similar to the Set/list. | method of List interface returns an array containing all the elements present in the list in proper order. | method of Java Set is used to 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. |