ArrayList class remove(Object o) method

This is 15th post in series of ArrayList class. Previously we have seen [ArrayList introduction](http://data-structure-learning.blogspot.com/2015/08/arraylist-class-introduction-and-how-it.html), ArrayList class [constructors](http://data-structure-learning.blogspot.com/2015/08/arraylist-class-constructors.html), [add](http://data-structure-learning.blogspot.com/2015/09/arraylist-class-add-methods.html)() method, [addAll](http://data-structure-learning.blogspot.com/2015/09/arraylist-class-addall-methods.html)() method, [clear](http://data-structure-learning.blogspot.com/2015/09/arraylist-class-clear-method.html)() method, [indexOf](http://data-structure-learning.blogspot.com/2015/09/arraylist-class-indexof-method.html)() method, [contains](http://data-structure-learning.blogspot.com/2015/09/arraylist-class-contains-method.html)() method, forEach() method, get(), isEmpty(), iterator(), lastIndexOf() method, listIterator() and remove(int index)method.

In this post we will see remove(Object o) method. This method takes Object as argument. It removes first occurrence of specified element from List if it is present and returns true. If the element is not present it returns false.

Below program demonstrate the two different scenarios for remove(Object o) method.

* finds the given name and returns true.
* cannot find the given name and returns false.

**package** org.example.collections.list.arraylist;

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** ArrayListRemoveObject {

**public** List<String> arrayListAdd() {

List<String> names = **new** ArrayList<String>();

names.add("Ned");

names.add("Catelyn");

names.add("Rob");

names.add("Arya");

names.add("Sansa");

**return** names;

}

/\*\*

\* remove(Object o) method

\* returns true

\* if it finds the element and removes it

\* else

\* returns false.

\* \*/

**public** **void** removeDemo(List<String> names, String name) {

**boolean** found = names.remove(name);

System.***out***.println("Is "+name+" removed? "+found);

}

**public** **static** **void** main(String[] args) {

ArrayListRemoveObject removeObject= **new** ArrayListRemoveObject();

List<String> names = removeObject.arrayListAdd();

//Prints true

removeObject.removeDemo(names, "Arya");

//Prints false

removeObject.removeDemo(names, "Ramsey");

}

}

Output

Is Arya removed? true

Is Ramsey removed? false

That’s all on remove(Object o) method. In next post we will see removeAll(Collection<?> c) method. removeAll method removes all the elements from this list which are contained in specified Collection as parameter.