ArrayList class toArray method

This is 24td 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(), remove(int index), remove(Object o), removeAll(Collection<?> c), removeIf(Predicate<? super T> E), replaceAll(UnaryOperator<E> operator) method, retainAll(Collection<?> c) set(),size() and subList() method.

toArray() method return an Object[] array. This object array is safe as it is not referenced to List means it is deep copy of elements from the List. So you are allowed to modify Object[] and List without any side effects.

toArray() method is easy to use.

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

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** ArraylistToArray {

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

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

kids.add("Robb");

kids.add("Sansa");

kids.add("John");

kids.add("Arya");

**return** kids;

}

**public** **void** toArrayDemo(List<String> kids) {

Object[] obj = kids.toArray();

String str = Arrays.*toString*(obj);

System.***out***.println("Object[]: "+str);

}

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

ArraylistToArray toArray = **new** ArraylistToArray();

List<String> kids = toArray.kidsNames();

toArray.toArrayDemo(kids);

}

}

Output

Object[]: [Robb, Sansa, John, Arya]

That’s all on toArray() method. In next post we will toArray(T[] a) method. It returns the type array instead of Object[] array. So we can pass the type of List to it and it will return that type array.