ArrayList class subList method

This is 23rd 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(), and size() method.

In this post we will see subList() method. subList(int fromIndex, int toIndex) method returns a view of portion of this list specified as in parameters as fromIndex and toIndex.

One more important thing about subList method is that if we try to change the List returned by subList then the changes will be reflected in this list too.

Below is the code for subList method. I have also edited the subList and printed the values in Console so it will be easy for you to understand.

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

**import** java.util.ArrayList;

**import** java.util.List;

**public** **class** ArrayListSubListDemo {

**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** subListDemo(List<String> kidsNames, **int** begin, **int** end) {

List<String> subList = kidsNames.subList(begin, end);

System.***out***.println("SubList: " + subList);

subList.add("NEW ELEMENT");

System.***out***.println("SubList(new value added): " + subList);

System.***out***.println("kidsName List: " + kidsNames);

}

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

ArrayListSubListDemo subList = **new** ArrayListSubListDemo();

List<String> kidsNames = subList.kidsNames();

subList.subListDemo(kidsNames, 0, 2);

}

}

Output

SubList: [Robb, Sansa]

SubList(new value added): [Robb, Sansa, NEW ELEMENT]

kidsName List: [Robb, Sansa, NEW ELEMENT, John, Arya]

That’s all on subList() method. In next post we will see toArray() method.