ArrayList class iterator() method

This is 11th 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() and isEmpty() method.

In this post we will see iterator() method.

iterator() method returns an instance of Iterator which is used to traverse the List. There are 3 different methods for Iterator.

Iterator<E> provides 3 methods.

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| **Method** | **Description** |
| **boolean** hasNext(); | Returns true if there are more elements. OR, returns true if next() returns element rather than throwing Exception. |
| E next(); | Returns the next element in iteration. It will throw NoSuchElementException if if there are no more elements. |
| **void** remove(); | removes the element returned by next(). For one next() call there is only one remove(). |

I have written a post on [Iterator interface](http://data-structure-learning.blogspot.com/2015/05/java-collections-part-8-iterator.html). Continue to that post to read further about iterator. Also you need to know about one common exception that occurs while iterating the List [ConcurrentModificationException](http://data-structure-learning.blogspot.com/2015/05/concurrentmodificationexception.html).

This post is short because I have previously written on Iterator interface. Do read that post to get to know how iterator works and how to avoid common pitfall of ConcurrentModificationException.

That would be all for iterator() method. In next post we will see lastIndexOf() method. lastIndexOf() returns the last occurrence index of the Object in List.