**Java Collections class**

Java collections class is used exclusively with static methods that operate on or return collections. It inherits Object class.

The important points about Java Collections class are:

* Java Collection class supports the **polymorphic algorithms** that operate on collections.
* Java Collection class throws a **NullPointerException** if the collections or class objects provided to them are null.

**Collections class declaration**

Let's see the declaration for Java.util.Collections class.

1. public class Collections extends Object

**Methods of Java Collections class**

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| **Method** | **Description** |
| static boolean addAll(Collection<? super T> c, T... elements) | It is used to add all of the specified elements to the specified collection. |
|  |  |
| Static int binarySearch(List list) | It is used to search the specified list for the specified object using the binary search algorithm. |
| static void reverse(List list) | It is used to reverse the order of the elements in the specified list. |
| Static T max(Collection c) | It is used to return the maximum element of the given collection, according to the order induced by the specified comparator. |
| static T min(Collection c) | It is used to return the minimum element of the given collection, according to the natural ordering of its elements. |
| static boolean replaceAll(List list, T oldVal, T newVal) | It is used to replace all occurrences of one specified value in a list with another. |
| static void reverse() | It is used to reverse the Collection list. |
| static void shuffle() | It is used to placed values at Randomly |
| static void swap(List list,int i,int j) | It is used to Swap the values of particular index |
| static void copy(List dest,List src) | It is used to copy the data of one list to another list |
| static void sort(List list) | It is used to sort the elements of List.List elements must be of Comparable type. |