**Concurrent Collection– Part\_16**

* **ArrayList vs CopyOnWriteArrayList:**

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| S.No | ArrayList | CopyOnWriteArrayList |
| 1 | It is not Thread-safe | It is Thread-safe because every update operation will be performed on separate clone copy. |
| 2 | While one thread iterating List object, the other threads are not allowed to modify list, otherwise we will get ConcurrentModificationException | While one thread iterating List object, the other threads are allowed to modify List in safe manner and we won’t get ConcurrentModificationException. |
| 3 | Iterator is fail-fast | Iterator is fail-safe |
| 4 | Iterator of ArrayList can perform both read and remove operation. | Iterator of CopyOnWriteArrayList can perform only read operation but not remove operation, otherwise we will get RE: UnsupportedOperationException |
| 5 | Present in java.util package and introduced in 1.2 version | Present in java.util.concurrent package and introduced in 1.5 version. |