**Concurrent Collection– Part\_19**

* **CopyOnWriteArraySet vs synchronizedSet():**

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| **S.No** | **CopyOnWriteArraySet** | **synchronizedSet()** |
| 1 | It is thread-safe because every update operation will be performed on separate cloned copy. | It is thread-safe because at a time only one thread is allowed to operate. |
| 2 | While one thread iterating Set, other threads are allowed to modify and it won’t throw ConcurrentModificationException | While one thread iterating, the other threads are not allowed to modify Set, otherwise we will get ConcurrenModification Exception. |
| 3 | Iterator is fail-safe | Iterator is fail-fast |
| 4 | Iterator can perform only read operation but not remove operation. Otherwise we will get RE: UnsupportedOperation Exception. | Iterator can perform both read and remove operations. |
| 5 | Introduced in 1.5 version. | Introduced in 1.2 version. |