**Concurrent Collection– Part\_11**

* **CopyOnWriteArrayList Constructors:**

CopyOnWriteArrayList l = new CopyOnWriteArrayList();

CopyOnWriteArrayList l = new CopyOnWriteArrayList(Collection c);

CopyOnWriteArrayList l = new CopyOnWriteArrayList(Object[] a);

* **Methods of CopyOnWriteArrayList:**

All the methods in Collection and List will be available to CopyOnWriteArrayList, adding to that it defines the following two methods.

boolean addIfAbsent(Object o);

Example:

CopyOnWriteArrayList l = new CopyOnWriteArrayList();

l.add(“A”);

l.add(“A”);

System.out.println(l); // [A,A]

l.addIfAbsent(“B”);

System.out.println(l); // [A,A,B]

l.addIfAbsent(“B”);

System.out.println(l); // [A, A, B]

int addAllAbsent(Collection c)

Example:

ArrayList l = new ArrayList();

l.add(“A”);

l.add(“B”);

CopyOnWriteArrayList l1 =new CopyOnWriteArrayList();

l1.add(“A”);

l1.add(“C”);

l1.addAll(l);

System.out.println(l1); // [A,B,A,C]

ArrayList l2 = new ArrayList();

l2.add(“A”);

l2.add(“D”);

l1.addAllAbsent(l2);

System.out.println(l1); // [A, C, A, B, D]