## COPYONWRITEARRAYLIST

## DEFINATION OF CONPYONWRITEARRAYLIST?

"Copy On Write" means that whenever a write operation like adding or removing element instead of directly modifying the existing list, a new copy of the list is created and the modification is applied to that copy this ensure that others thread reading the list while it's being modified are unaffected.

Read Operations: Fast and Direct, since they happen on a stable list without interference from modifications.

Write Operations: A new copy of the list is created for every modification after modification the reference to the list is then updated so that subsequent(next reads) reads use this new list.

## CODE FOR COPYONWRITEARRAYLIST:

```
System.out.println(item);
    if(item.equals("Eggs")){
        shoppingList.add("Butter");
        System.out.println("Added Butter While Reading.");
    }
}
System.out.println("updated shopping list: "+shoppingList);
}
```