5. Write a program in Java to verify the implementations of Collections

**package** collectionverification;

**import** java.util.\*;

**public** **class** CollectionVerification {

**public** **static** **void** main(String[] args) {

// ArrayList

List<String> arrayList = **new** ArrayList<>();

arrayList.add("Apple");

arrayList.add("Banana");

arrayList.add("Orange");

System.***out***.println("ArrayList: " + arrayList);

// LinkedList

List<String> linkedList = **new** LinkedList<>();

linkedList.add("Cat");

linkedList.add("Dog");

linkedList.add("Elephant");

System.***out***.println("LinkedList: " + linkedList);

// HashSet

Set<String> hashSet = **new** HashSet<>();

hashSet.add("Red");

hashSet.add("Green");

hashSet.add("Blue");

System.***out***.println("HashSet: " + hashSet);

// TreeSet

Set<String> treeSet = **new** TreeSet<>();

treeSet.add("Apple");

treeSet.add("Banana");

treeSet.add("Orange");

System.***out***.println("TreeSet: " + treeSet);

// HashMap

Map<String, Integer> hashMap = **new** HashMap<>();

hashMap.put("One", 1);

hashMap.put("Two", 2);

hashMap.put("Three", 3);

System.***out***.println("HashMap: " + hashMap);

// TreeMap

Map<String, Integer> treeMap = **new** TreeMap<>();

treeMap.put("Apple", 1);

treeMap.put("Banana", 2);

treeMap.put("Orange", 3);

System.***out***.println("TreeMap: " + treeMap);

}

}

Output:

