

Problem-3

Do the following in main:

- a) Create an ArrayList<Order>.
- b) add() at least **five** Order objects.
- c) Delete an object **by instance** (pass an Order you previously added).
- d) Print the **size** of the list.
- e) Retrieve an Order by **position** (get(index)) and print it.
- f) **Update** the details of an Order by position (set(index, new Order(...))).
- g) Override equals() in Order.java (consistent equals implementation required).
- h) **Sort by totalAmount (ascending)** using a **Comparator** that's consistent with equals. Print the sorted list.
- i) Write a method to **filter orders with totalAmount > 50.0** and **return a new list**; then **sort that result by customerName (A→Z)** and print it.

Method signature to implement in OrderTest.java:

```
public static List<Order> listMoreThan50(List<Order> list) { /* ... */ }
```