

Question 4 E-commerce Order\Order.java

```
1 import java.util.ArrayList;
2 import java.util.List;
3
4 class Order {
5     private int id;
6     private List<Item> items;
7
8     // Constructor
9     public Order(int id) {
10         this.id = id;
11         this.items = new ArrayList<>();
12     }
13
14     // Getters and setters
15     public int getId() {
16         return id;
17     }
18
19     public void setId(int id) {
20         this.id = id;
21     }
22
23     public List<Item> getItems() {
24         return items;
25     }
26
27     // Method to add an item to the order
28     public void addItem(Item item) {
29         items.add(item);
30     }
31
32     // Method to calculate the average cost of items in the order
33     public double calculateAverageCost() {
34         if (items.isEmpty()) {
35             return 0;
36         }
37
38         double totalCost = 0;
39         for (Item item : items) {
40             totalCost += item.getPrice();
41         }
42         return totalCost / items.size();
43     }
44 }
45
```