**Cafeteria Order Summary: Using ArrayList**

**Problem Statement:**

A cafeteria records food order.

Each order includes the item name, quantity, and unit price.

Calculate the total bill and apply a 5% discount if more than 5 items are ordered in total.

**Input Format:**

First line:

Integer N — number of different items ordered.

**For each item:**

String — item name.

Integer — quantity.

double — price per item.

**Output Format:**

List all items with total price per item (quantity \* price).

Show total quantity and total bill.

If total quantity > 5, apply 5% discount and display the discounted bill.

**Sample Input 1**

3

Sandwich

2

50.0

Coffee

1

30.0

Juice

3

40.0

**Sample Output 1**

Items Ordered:

Item: Sandwich, Quantity: 2, Unit Price: 50.00, Total: 100.00

Item: Coffee, Quantity: 1, Unit Price: 30.00, Total: 30.00

Item: Juice, Quantity: 3, Unit Price: 40.00, Total: 120.00

Total Quantity: 6

Total Bill before discount: 250.00

Total Bill after 5% discount: 237.50

**Sample Input 2**

2

Burger

2

80.0

Soda

1

20.0

**Sample Output 2**

Items Ordered:

Item: Burger, Quantity: 2, Unit Price: 80.00, Total: 160.00

Item: Soda, Quantity: 1, Unit Price: 20.00, Total: 20.00

Total Quantity: 3

Total Bill before discount: 180.00

No discount applied as the total quantity is 5 or less.

**Problem 1: Bookstore Order Summary**

**Problem Statement:**

A bookstore records customer orders. Each order includes the book title, quantity, and price per book.

Calculate the total bill and apply a 10% discount if more than 10 books are ordered in total.

**Input Format:**

1. First line: Integer N — number of different books ordered.
2. For each book:
   * String — book title
   * Integer — quantity
   * Double — price per book

**Output Format:**

1. List all books with total price per book (quantity \* price).
2. Show total quantity and total bill.
3. If the total quantity exceeds 10, apply a 10% discount and display the discounted bill. Otherwise, no discount is applied.

**Sample Input 1:**

4

The Alchemist

3

250.0

1984

2

300.0

Pride and Prejudice

4

150.0

The Catcher in the Rye

1

200.0

**Sample Output 1:**

Books Ordered:

Book: The Alchemist, Quantity: 3, Unit Price: 250.00, Total: 750.00

Book: 1984, Quantity: 2, Unit Price: 300.00, Total: 600.00

Book: Pride and Prejudice, Quantity: 4, Unit Price: 150.00, Total: 600.00

Book: The Catcher in the Rye, Quantity: 1, Unit Price: 200.00, Total: 200.00

Total Quantity: 10

Total Bill before discount: 2150.00

No discount applied as the total quantity is 10 or less.

**Sample Input 2:**

3

Harry Potter

5

500.0

Lord of the Rings

4

400.0

The Hobbit

3

300.0

**Sample Output 2:**

Books Ordered:

Book: Harry Potter, Quantity: 5, Unit Price: 500.00, Total: 2500.00

Book: Lord of the Rings, Quantity: 4, Unit Price: 400.00, Total: 1600.00

Book: The Hobbit, Quantity: 3, Unit Price: 300.00, Total: 900.00

Total Quantity: 12

Total Bill before discount: 5000.00

Total Bill after 10% discount: 4500.00

**Problem 2: Grocery Store Shopping Bill**

**Problem Statement:**

A grocery store records customer purchases. Each purchase includes the product name, quantity, and price per product.

Calculate the total bill and apply a 7% discount if the total quantity purchased exceeds 7.

**Input Format:**

1. First line: Integer N — number of different products purchased.
2. For each product:
   * String — product name
   * Integer — quantity
   * Double — price per product

**Output Format:**

1. List all products with total price per product (quantity \* price).
2. Show total quantity and total bill.
3. If the total quantity exceeds 7, apply a 7% discount and display the discounted bill. Otherwise, no discount is applied.

**Sample Input 1:**

4

Tomatoes

3

40.0

Potatoes

2

30.0

Onions

1

20.0

Carrots

3

25.0

**Sample Output 1:**

Products Purchased:

Product: Tomatoes, Quantity: 3, Unit Price: 40.00, Total: 120.00

Product: Potatoes, Quantity: 2, Unit Price: 30.00, Total: 60.00

Product: Onions, Quantity: 1, Unit Price: 20.00, Total: 20.00

Product: Carrots, Quantity: 3, Unit Price: 25.00, Total: 75.00

Total Quantity: 9

Total Bill before discount: 275.00

Total Bill after 7% discount: 255.75

**Sample Input 2:**

3

Apples

2

30.0

Bananas

1

20.0

Oranges

3

40.0

**Sample Output 2:**

Products Purchased:

Product: Apples, Quantity: 2, Unit Price: 30.00, Total: 60.00

Product: Bananas, Quantity: 1, Unit Price: 20.00, Total: 20.00

Product: Oranges, Quantity: 3, Unit Price: 40.00, Total: 120.00

Total Quantity: 6

Total Bill before discount: 200.00

No discount applied as the total quantity is 7 or less.