**Electronics Store Purchase Summary**

**Problem Statement: using HashMap**

You are tasked with developing a simple electronics store management system. The system will track the purchase of electronic products like phones, laptops, and accessories. If the total price of the products purchased exceeds a specified threshold, the customer will receive a 15% discount on the total bill.

After entering the purchase details, the system will display:

1. The names and prices of the items.
2. The total bill before discount.
3. The total bill after applying the discount if applicable, or a message if no discount is applied.

**Input Format:**

* First line: Integer N — number of electronic items the customer wants to purchase.
* For each item:
  + String — Item name
  + Double — Item price (positive value)
* Last line: Double — Total price threshold.

**Output Format:**

* Display the names and prices of all purchased items.
* Display the total bill before any discount.
* If the total bill exceeds the threshold, display the total bill after the 15% discount; otherwise, display a message indicating no discount.

**Sample Input 1:**

2

Smartphone

500.00

Laptop

700.00

1000.00

**Sample Output 1:**

Items purchased:

Item: Smartphone, Price: 500.00

Item: Laptop, Price: 700.00

Total bill before discount: 1200.00

Total bill after 15% discount: 1020.00

**Sample Input 2:**

4

Headphones

25.00

Smartwatch

50.00

USB Cable

10.00

Power Bank

30.00

120.00

**Sample Output 2:**

Items purchased:

Item: Headphones, Price: 25.00

Item: Smartwatch, Price: 50.00

Item: USB Cable, Price: 10.00

Item: Power Bank, Price: 30.00

Total bill before discount: 115.00

No discount applied as the total bill does not exceed the threshold.