

Write a Java program that takes as input 4 Shop objects and the list of Shop objects with attributes shop **name**, and number of items sold **nsold**. The program should add each customer name as key and number of items as value to the map object. After adding all objects to the map, display the shop name which has sold maximum number of items as shown in the test cases. Complete the program as specified below:

- Class **Shop** that has the following members:
  - String **name**, int **nsold** as private instance variable
  - Constructor to initialize the **name** and **nsold**
  - Accessor methods to all instance variables
- Class **MapTest** has the following members:
  - You should define method `public static void printShopName(ArrayList<Shop> sList)` that does the following:
    - \* Iterates over array **sList** such that in each iteration, add each customer name as key and number of items as value to the map object.
    - \* Print the shop name which has sold maximum number of items.
  - **main** method has the following functionality
    - \* Creates a list of 4 **Shop** objects.
    - \* Invokes method `printShopName(list)` to print the shop name which has sold maximum number of items.

## Test Run Results

### Test Case 1

| Input         | Expected Output | Actual Output |
|---------------|-----------------|---------------|
| SuperBazar 30 | More : 70       |               |
| More 40       |                 |               |
| Shopsy 30     |                 |               |
| More 30       |                 |               |

### Test Case 2

| Input   | Expected Output | Actual Output |
|---------|-----------------|---------------|
| Lulu 40 | DLF : 121       |               |
| Lulu 34 |                 |               |
| DLF 54  |                 |               |
| DLF 67  |                 |               |

## Submission Results

### Test Case 1

| Input          | Expected Output | Actual Output |
|----------------|-----------------|---------------|
| HiLITE 56      | HiLITE : 56     |               |
| Sarath-City 40 |                 |               |
| Z-Square 54    |                 |               |
| World-Trade 43 |                 |               |