# Joining Data (Part 1)
## Objectives: Join Concepts

Create a single class that holds the following information for a single customer order.

CustomerName: String
Item: String
Price: Decimal or Float
Quantity: Integer

Note: Each order only has a single product.

Create an array of these orders. Fill a collection with the following data, which you'll note is sorted by customer name:

| Customer | Item | Price | Quantity |
|---|---|---|---|
| Acme Hardware | Mouse | 25 | 3 |
| Acme Hardware | Keyboard | 45 | 2 |
| Falls Realty | Macbook | 800 | 2 |
| Julie's Morning Diner | iPad | 525 | 1 |
| Julie's Morning Diner | Credit Card Reader | 45 | 1 |

Exercise 1: Loop through the data, keeping track of the "current customer" and print out a header for each customer, and under the header, that customer's orders in a tabular format, followed by a blank line, like so:

```
Acme Hardware
    Item              Price      Quantity      Total
    Mouse             25         3             75
    Keyboard          45         2             90

Falls Realty
    Item              Price      Quantity      Total
    Macbook           800        2             1600

Julie's Morning Diner
    Item              Price      Quantity      Total
```

```
iPad                      525          1              525
Credit Card Reader   45          1              45
```

Exercise 2: Repeat the steps of Exercise 1, but now add in a total dollar amount for each customer, like this:

```
Acme Hardware
    Item                  Price       Quantity        Total
    Mouse                 25          3               75
    Keyboard              45          2               90
    Total                                             165

Falls Realty
    Item                  Price       Quantity        Total
    Macbook               800         2               1600
    Total                                             1600

Julie's Morning Diner
    Item                  Price       Quantity        Total
    iPad                  525         1               525
    Credit Card Reader   45          1               45
    Total                                             570
```

Exercise 3: Loop through the data, but instead of using headers, only print the customer name for the first of all the orders for that customer. For the remaining orders, leave the customer field blank. Do not include totals. Example:

```
Customer                    Item                  Price    Quantity   Total
Acme Hardware               Mouse                 25       3          75
                            Keyboard              45       2          90
Falls Realty                Macbook               800      2          1600
Julie's Morning Diner       iPad                  525      1          525
                            Credit Card Reader    45       1          45
```