**1. Accounting**

# Program Name: Accounting.java Input File: accounting.dat

Given a log of the day’s sales, organize a neat table of daily profits.

**Input**

The first line of input will contain a single integer n that indicates the number of distinct items being sold. The next n lines will contain the name of the item, followed by a comma, followed by its price. The name will always be less than 18 characters long. After this, there will be an unknown number of lines in the format Sold X Y, where X is the number of Ys sold.

**Output**

Output the name of each item and total earnings in alphabetical order (ignore case) in the format shown below. Use an appropriate number of spaces to line up the profits with the Profit heading. (There are 14 spaces between Item and Profit.) Then, output the total earnings. Format all earnings to two decimal places.

**Example Input File**

5

Chicken $12.95

Ice\_Cream $3.49

Pencils $0.30

iPhone\_11 $1000000000.00

Nothing $0.00

Sold 2 Chicken

Sold 24 Pencils

Sold 1 Chicken

Sold 1 Ice\_Cream

Sold 1 Ice\_Cream

Sold 0 Nothing

Sold 1 iPhone\_11

Sold 2 Chicken

Sold 3 Nothing

**Example Output to Screen**

Item Profit

Chicken $64.75

Ice\_Cream $6.98

iPhone\_11 $1000000000.00

Nothing $0.00

Pencils $7.20

Total $1000000078.93