**Program 1050a**

**(Sales Force])**

**Program Description:** A major company wants to see how it’s sales force is doing. It will be releasing many sales records to you to analyze. All of the data is in a csv file and must be brought in as an entire line and then split using the commas. Each record consist of a region, country, item type, sales channel, order priority, order date, order ID, ship date, units sold, unit price, unit cost, total revenue, total cost and total profit. You should make a class to hold these items and then create an array of those records. There are 500,000 records in the data file. The sales boss will want to know these things.

* How many sales were made to Europe?
* How many items of Cereal were bought by Cambodia?
* What was the profit on all of the meat?
* What percentage of the sales were High Priority?
* The company had a problem in 2012 and had to recall all of the Fruits sold in 2012, how much profits were lost?
* How many High priority sales were shipped more than three days of the date of the sale?
* Which country had the single highest Personal Care order that created the most profit in one sale?
* Which region bought the most Snacks?

We are having a trade war with the countries of Africa. What are the total number of records of Sales to African nations? Now delete all sales to Kuwait. Limit sales of Cosmetics to Uganda to 100, the cost and profit of each sale affected in the array needs to be appropriately changed. We also ran out of Office Supplies. Find any low priority sales and delete those orders from the African countries. How much profit did the company lose with the trade war with these African nations?

**Statements Required:** Classes, Arrays, CSV Files

**Data File: lang1050.csv**

**Sample Output:**

Sales to Europe: 129286

Cereal bought by Cambodia: 1164596

Total profit on Meat: $11,933,838,488.00

High priority sales percentage: 24.9974%

Fruits profit lost in 2012: $67,345,418.37

High priority sales shipped more than 3 days late: 115166

Country with highest profit on Personal Care: Iceland

Region that bought the most Snacks: Sub-Saharan Africa

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