Module 13 – Project

We're going to create some summary data for a hardware store by reading their file of sales and creating some departmental totals.

1. I have posted a file on Canvas containing information about the recent sales at a hardware store. The file name is inventory.txt. Download the file and save it in the same directory as your .py files will be.
2. Open the file inventory.txt and look at it. You'll see that each line has 3 pieces of information. The first is the department name. We only have a Lighting, a Plumbing and a Garden department at our little store. Be careful to not make any changes to this file. If you happen to make a change, feel free to download a "clean" version of the file and start over.

Your job is to write a program which calculates the total sales for the hardware store as well as the total sales for each department.

Your final output should look like this (with the correct numbers, though). Notice the line spacing and formatting of the values.

```
Sales by Department:

Plumbing:  $3568.24
Lighting:  $241.34
Garden:  $6423.21

Total Sales:  $10232.79
```

Requirements:

1. Each line in the file must be read as a string and then split into a list.
2. Based on the department name in the line that was just read, add the value of the sales to the total sales for that department. Remember, we read the line as a string, converted it to a list of strings - but we can only add numbers. You will be ignoring the second data value in each line…..for now.
3. At the end, print the total sales for the entire store.

Assumptions that you may make:

1. The file exists and contains at least one line.
2. There are no lines which have any department other than those 3 departments.
3. All data is "valid" (i.e. the 3rd value in each line is a number, the 1st value is a valid department)

Grading:
20% comments are appropriate and found throughout the program adding to the understanding of the program
20% variable names are meaningful and descriptive
20% structures in the program are as required and are used appropriately for the problem
40% program runs correctly and produces correct values and correctly formatted output

Submit via Canvas as a .py file named Module13Project.py