Assignment
Week 16
CT103
Programming

Lab Week Beginning 2nd February 2015

Assignment Description

- *Given a tab-delimited data file containing sales records, your challenge is to do as many of the following as possible:*

- *Open the file and save the data into a n array of suitable data structures*
- *Calculate the total sales for a given Region (input by the user)*
- *Calculate the total sales for a given Rep (input by the user)*
- *Calculate the total sales for a given Item (input by the user)*
- *Calculate the total sales for a given Year(input by the user)*

  - *As the Item can have more than 1 word, you will need to use strtok to parse each line in the file and extract the data*
  - *Once you have read in the data string (e.g. "1/6/14"), you could parse it using strtok to get the day, month and year parts.*

Sample input/output


```
C:\Windows\system32\cmd.exe

Enter one of the follow options:
1 - sales by region
2 - sales by rep
3 - sales by item
4 - sales by year
0 - quit
1
Enter Region
East
Sales for region: East = 3199.64
Enter one of the follow options:
1 - sales by region
2 - sales by rep
3 - sales by item
4 - sales by year
0 - quit
2
Enter Rep
Gill
Sales for rep: Gill = 1749.87
Enter one of the follow options:
1 - sales by region
2 - sales by rep
3 - sales by item
4 - sales by year
0 - quit
3
Enter Item
Pen Set
Sales for item: Pen Set = 1980.71
Enter one of the follow options:
1 - sales by region
2 - sales by rep
3 - sales by item
4 - sales by year
0 - quit
4
Enter Year
14
Sales for year: 14 = 6455.89
Enter one of the follow options:
1 - sales by region
2 - sales by rep
3 - sales by item
4 - sales by year
0 - quit
```