Assignment 5 (Ch07)

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```
Monthly Sales program

COMMAND MENU
monthly - View monthly sales
yearly  - View yearly sumary
edit    - Edit sales for a month
exit    - Exit program

Command: monthly
Jan - 14317
Feb - 3903
Mar - 1073
Apr - 3463
May - 2429
Jun - 4324
Jul - 9762
Aug - 15578
Sep - 2437
Oct - 6735
Nov - 88
Dec - 2497

Command: yearly
Yearly total:       66606
Monthly average:   5550.5

Command: edit
Three-letter Month: Nov
Sales Amount: 8854
Sales amount for Nov was modified.

Command: exit
Bye!
```

Create a new folder **Ass5** that contains two subfolders named **program** and **data**, respectively.

Save the CSV file below into the **data** folder above.

- **monthly_sales.csv** ⭳
  (https://usflearn.instructure.com/courses/1658526/files/131712898/download?download_frd=1)

Then, in the **program** folder write a program called **sales.py** that displays a title and a menu exactly like the one shown above. It

It should read the sales data for 12 months from the above file and, when the user enters the

'monthly' after the prompt 'Command:', it displays them in the form of 'month - sales amount' as shown above.

This program also calculates the total yearly sales as well as the average monthly sales. Round the results of the monthly average to a maximum of 2 decimal digits. These two numbers are displayed when the command 'yearly' is entered.

In addition, this program should let the user edit the sales for any month if the command 'edit' and the month are entered. In this case, display an error message "Invalid three-letter month." if the user doesn't enter a valid three-letter abbreviation for the month. Here a valid month must also begin with an upper case character.

It's important that, when the user edits the sales amount for a month, the data should be saved to the CSV file immediately. That way, no data is lost, even if the program crashes later.

Finally, unless the command 'exit' is given, this program allows the user to repeat the process with any other commands. The 'exit' cpmmand displays "Bye!" and program stops.

When finished, leave a copy of your CSV file in the **data** folder no matter how many months are edited as long as it contains sales data for 12 months. To submit for grading, you must zip the entire **Ass5** folder (containing its two subfolders) as **Ass5.zip** or **Ass5.7z**.

Points	40
Submitting	a file upload
File Types	zip and 7z

Due	For	Available from	Until
Mar 8	Everyone	-	-

+ **Rubric**