

Lab 3

SUBMIT original code in Python to solve the problem below.

Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine (document help in the comments of your code) however you need to write your own code, name your own variables, and comment your own code. Students turning in the exact same work as another student will all be given zeros. Plagiarism is not tolerated, and students found to be plagiarizing will be given a zero and reported to the University with the possibility of termination of the class and degree program.

Write a program that will allow a manager to determine and display the total sales for the department. The manager will enter the sales goal for the month. Then the manager will enter (input) the sales for each salesperson for four (4) weeks. After each salesperson, the program should ask the manager if there is another. Once all the sales are entered the program will accumulate the total sales for the department.

Display the total number of employees in the department and total sales for the department. The manager earns a 2% bonus on all sales for the month. If the total department's sales exceed the sales goal, then the manager's bonus is 5% of the total sales. Determine and display the sales goal and manager's bonus amount.

Hint: two loops are required – use a loop to allow for another salesperson's monthly sales to be entered and a second loop for the four (4) weeks of sales of the individual salesperson.

Some sample Input/Output is provided on the next page. The output is based on the input for two (2) employees one with weekly sales of (1200, 1300, 1250, 2250) and second salesperson's sales (2399, 2103, 1900, 1000). Sales goal for the month - \$11000.

You do not need to round or truncate your output

Save your program as **Lab3.py** and upload your source file to the appropriate dropbox in GradeScope, **NOT D2L!**

Input

Sales goal: *11000*
Salesperson 1 week 1: *1200*
...
Salesperson 1 week 4: *2250*
Another salesperson?: *y*
Salesperson 2 week 1: *2399*
...
Salesperson 2 week 4: *1000*
Another salesperson?: *n*

Output

Department Monthly Sales and Commission

Number of Employees: 2
Department Sales Goal: \$11000
Total Sales: \$13, 402.00
Mgr. Bonus: \$670.10

REMEMBER

- Include the comment heading at the top of your code.
 - # Program Name: Lab1.py (use the name the program is saved as)
 - # Course: IT1114/Section XXX
 - # Student Name: John Doe
 - # Assignment Number: Lab#
 - # Due Date: xx/xx/ 20XX
 - # Purpose: What does the program do (in a few sentences)?
 - # List specific resources used to complete the assignment.
- Place comments within your code explaining the programming segments