

Lab 10
CSCI 256-2
Points: 30

Please read the following instructions carefully.

A. On Blackboard, pull up this week's and last week's (11/6, 11/13) lecture slides. Review the slides for examples. Your notes, book, homework, and code snippets from class will also be helpful.

1. Download the Order Total Program (**order_total_dict.py**) from Blackboard and open it.
2. For this lab you will edit `order_total_dict.py` so that an order's information is stored in a dictionary. There are 5 **TODO** comments you must complete. **Complete them in the following order:**
 - a. **Line 53:** Create an **empty** dictionary variable for order information.
 - b. **Line 89:** Add an item to the dictionary using the item's **name** as the **key** and the item's **total cost** as the **value**.
 - c. **Line 91:** Calculate the total of the order by **summing** the dictionary's **values** (Hint: look at Slides 11/6 and 11/13).
 - d. **Line 93:** Add the order total to the dictionary using the word "total" as the key.
 - e. **Line 97:** Print out all the order information stored in the dictionary using a for loop (Hint: see Slides 11/13).
3. Save and run your file.
4. Rename `order_total_dict.py` to **Lab10YourInitialsHere.py**. Include the **Program Standards Header**, found on Blackboard under **Labs**, at the beginning of your Python file. Fill in your name, student ID, etc. Be sure to include the Honor Code statement and a program description.
5. Submit all three files to Blackboard. **You must submit your program and sign the roll sheet to receive credit.**

Sample Input/Output:

```
This program calculates the total cost of your order including tax.  
Do you want to continue? Yes/No: idk  
Invalid input  
Please enter Yes or No: y  
Order 1  
Enter the number of unique items you have: 3  
Enter the name of item 1: peanut butter  
Enter the price of item 1: 1.99  
Enter the quantity of item 1: 2  
Enter the name of item 2: apples  
Enter the price of item 2: 0.72  
Enter the quantity of item 2: 6  
Enter the name of item 3: pizza  
Enter the price of item 3: 4.99  
Enter the quantity of item 3: 3  
Here is your order summary...  
peanut butter - $4.26  
apples - $4.62  
pizza - $16.02  
total - $24.90  
Do you want to calculate another order total? Yes/No: maybe  
Invalid input  
Please enter Yes or No: no  
Goodbye!
```