

CS 2316 Recitation Assignment

This is an INDIVIDUAL assignment!

You should not exchange code or write code for others.

Place both functions in a groceryStore.py file and turn that file in to Canvas. Don't forget your collaboration statement!

You are building a program for a grocery store checkout line and need to implement two functions.

def addPrice(FoodName, FoodPrice, dictionary)

The addPrice function will accept three parameters, consisting of a string with the name of the food ('peas', 'fish', etc...) a float with the cost for the named food (1.32, 2.18, etc...) and a dictionary that will hold the values. Your addPrice function must insert the food name as the key and the food cost as the value in the dictionary.

def lookupPrice(foodName, dictionary)

The lookupPrice function accepts two parameters, a string that represents the name of a food item, and a dictionary that holds food items and their prices. It will look for the food in the dictionary. If it finds it, it will return the price. If it does not find the key in the dictionary, it will return None, of NoneType.

At the bottom of your groceryStore.py file, write code (not inside a function!) that does the following:

1. Construct an empty dictionary that will be used to hold all of the food/price information.
2. Call the addPrice function three times with the following parameters to add three items to the dictionary:

Apple – 0.35
Fish – 1.23
Candy – 0.99

3. Call the lookupPrice function twice, the first time looking for the price of “Grape” (priceLookup should return None) and the 2nd time looking for the price of “Candy” (priceLookup should return 0.99). In both cases, print the result of the lookup.

Grading: 15 points total

- 5 points – addPrice works correctly
- 5 points – lookupPrice works correctly
- 5 points – Test code (at the bottom) works correctly.