Each day, you will complete this page (assignment will be posted daily)

1. Paste your code for the summative assignment below.

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# This program will demonstrate an online store which the user can pick from the many options and get the total amount of money
back in tax.
def calculate total price():
This function will take the user's input and determine if it is a valid item in the store menu. If the item is not correctly spelled, or
incorrect in any way, the code will continue asking for a valid answer.
 Preconditions:
  item != integer or negative integer
  items must be spelled correctly
  done = code stopping
  Parameter:
 total = total money
 Returns:
 the total price of the shopping cart items in the customer's basket
  #item names stored with keys and values in a dictionary, which has a nested dictionary inside it
  item prices = {
    "Milk": {"2%": 4.32, "3.25%": 4.32},
    "Bread": {"Regular": 2.50},
    "Water": {"Regular": 30.00},
     "Eggs": {"A Dozen": 3.87},
    "Butter": {"Regular": 3.42},
    "Oil": {"Olive oil": 5.60, "Avocado oil": 5.60},
    "Yogurt": {"Regular": 3.43},
     "Coke": {"20 cans": 23.00, "Jug": 5.00}
  #total amount of money starting cart with $0.00
  total = 0.00
  #Display available items/introduction
  print("Welcome to MooMoo's Magic Mart! This is my Online Grocery Store made for you!")
  print("Here are the Available Items:")
  print("-----")
  #item used for the dictionary, stored as the key and values
  for key, values in item_prices.items():
    print(key + " ---> "),
    for type, price in values.items(): #values is looking at the nested dictionaries
       print(type + ": $" + str(price)),
    print() #gives space between items/prices listed
  print("-----")
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print("What would you like to add to your cart?")
print("Enter 'done' to proceed to check-out!")
#When the done flag is not false (true), continue.
done flag = False
while not done flag:
  print("-----")
  cart = input("Add to Cart: ")
#when done flag is true (not true/false), skip code and go to outer print statement
  if cart.lower() == "done":
    done flag = True
  else:
    found_item = False
    for item in item prices: #item stored in the prices
      if cart.capitalize() == item:
         found item = True #when an item is in the item prices, code will continue.
    if not found item:
      #if item is not in item prices, code will print invalid item.
      print("Invalid Item")
    if cart.capitalize() == "Milk": #capitalize first letter of key
      print("Which milk?")
      print("2% or 3.25%?")
      print("-----")
      milk type = input("Select the milk type: ")
      #milk type (2% or 3.25%) not in item prices, jumps to outer print statement.
      while milk type not in item prices["Milk"]:
        print("-----")
         print("Invalid milk type")
         #user has to re-write, till correct
         milk type = input("Select the milk type: ")
      print("-----")
      quantity = float(input("How much Milk do you need?: "))
      #item prices in milk for the milk type chosen
      milk_price = item_prices["Milk"][milk_type]
      #stored in the total variable with the milk price * customer amount * tax
      total += (milk price * 1.13) * quantity
    elif cart.capitalize() == "Bread": #capitalize first letter of key
      print("-----")
      bread_type = "Regular" #type in the variable
      quantity = float(input("How much bread do you need?: "))
      #in item prices, pick the bread and bread types price
      bread price = item prices["Bread"][bread type]
      #stored in the total variable with the bread price * customer amount * tax
      total += (bread price * 1.13) * quantity
    elif cart.capitalize() == "Water": #capitalize first letter of key
      print("-----")
      water_type = "Regular" #type in the variable
      quantity = float(input("How much water do you need?: "))
      # in item prices, picks the water and water types price; stored in regular
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water price = item prices["Water"][water type]
  #stored in the total variable with the water price * customer amount * tax
  total += (water price * 1.13) * quantity
elif cart.capitalize() == "Eggs": #capitalize first letter of key
  print("-----")
  egg_type = "A Dozen" #type in the variable
  quantity = float(input("How much Eggs (A dozen per box) do you need?: "))
  #in item prices, picks the egg and egg type
  egg price = item prices["Eggs"][egg type]
  #stored in the total variable with the egg price * customer amount * tax
  total += (egg price * 1.13) * quantity
elif cart.capitalize() == "Butter": #capitalize first letter of key
  print("-----")
  butter type = "Regular" #type in the variable
  quantity = float(input("How much Butter do you need?: "))
  #in item prices, picks the butter and butter type
  butter price = item prices["Butter"][butter type]
  #stored in the total variable with the butter price * customer amount * tax
  total += (butter price * 1.13) * quantity
elif cart.capitalize() == "Oil": #capitalize first letter of key
  print("Which oil?")
  print("Avocado oil or Olive oil")
  print("-----")
  oil type = input("Select the oil type: ")
  #when oil type (Avocado oil or Olive oil) not in item prices, print statement.
  while oil type not in item prices["Oil"]:
    print("-----")
    print("Invalid oil type")
    #user has to re-write, till correct
    oil type = input("Select the oil type: ")
  print("-----")
  quantity = float(input("How much oil do you need?: "))
  #item prices in oil for the oil type.
  oil price = item prices["Oil"][oil type]
  #stored in the total variable with the oil price * customer amount * tax
  total += (oil price * 1.13) * quantity
elif cart.capitalize() == "Yogurt": #capitalize first letter of key
  print("-----")
  yogurt type = "Regular" #type in the variable
  quantity = float(input("How much Yogurt do you need?: "))
  #in item prices, picks the yogurt and yogurt type
  yogurt price = item prices["Yogurt"][yogurt type]
  #stored in the total variable with the yogurt price * customer amount * tax
  total += (yogurt_price * 1.13) * quantity
elif cart.capitalize() == "Coke": #capitalize first letter of key
  print("Which coke?")
  print("20 cans or Jug?")
  print("-----")
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coke type = input("Select the coke type: ")
        #when coke type(20 cans or jug) not in item prices, print statement.
         while coke type not in item prices["Coke"]:
           print("-----")
           print("Invalid coke type")
           #user has to re-write, till correct
           coke_type = input("Select the coke type: ")
        print("-----")
        quantity = float(input("How much coke do you need?: "))
        #item prices in coke for the coke type.
        coke price = item prices["Coke"][coke type]
        #stored in the total variable with the coke price * customer amount * tax
        total += (coke price * 1.13) * quantity
      else:
        #if the item is not in the dictionary, the program will output invalid item.
        print("Invalid Item")
  return total
total price = calculate total price()
print("Total $" + str(round(total price, 2)))
print("Thanks for stopping by! :D")
```

2. Detail what you added today.

Today, I fixed up my code by adding a function because I forgot to add a function at the beginning of the code. In my code I made sure that the function applies to the code as a whole, I didn't make separate functions. After finishing tha, I changed the total so that the variable is equal to the calculation of the total price. After doing that, I added some extra documentation as I was missing it previously. Then when I was done, I looked over my code and made sure all possible outcomes were working.

3. Provide details for at least two coding items you plan to work on next class.