Rewrite your midterm part 1 with these changes:

* Create a class of order
* Create an object of an order to run the code.
* Print the bill on the screen
* Save the bill in a file.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Sample template:**

**(As I mentioned, these all are**samples **and you can have your own design and naming.)**

*# Creating an object of the class "Order"*

**class Order:**

         '''

*The doc string for this class*

*'''*

     **def \_\_init\_\_(self):**  
          self.\_priceBtax = 0  
          self.\_priceAtax = 0   
          self.\_tax = 0

**# Use dictionaries data structure to save data**

**# Make it as an instance variable. Then you can fill it and use it everywhere in your class.**

**# you may need 2 dictionaries**

**# "\_" means they are private**

          self.\_priceDict = {"De Anza Burger" : 5.25 , "Bacon Cheese" : 5.75,

                                    "Mushroom Swiss" : 5.95, "Western Burger" : 5.95,

                                    "Don Cali Burger" : 5.95}

          # The keys are the order (food) name and the values are the quantities of the orders  
          self.\_orderDict = {"De Anza Burger" : 0 , "Bacon Cheese" : 0,

                                     "Mushroom Swiss" : 0, "Western Burger" : 0,

                                     "Don Cali Burger" : 0}

**def displayMenu(self):**

         '''

*The doc string for this method*

*'''*

          #This is a sample and you can have your own design

          print("\n----------- De Anza Food Court -----------")  
          number = 1  
          for key in self.\_priceDict:   
                  print("{a}. {b:15s} {c:8.2f}".format(a= number, b= key, c=self.\_priceDict[key]))  
                  number +=1  
          print("6. Exit")

**def getInputs(self):**

         '''

*The doc string for this method*

*'''*

#You need to fill it

*# Get the order from the user and fill the "****\_orderDict****" instance variable.*

*# Calculate the price before and after tax*

**def calculate(self):**

         '''

*The doc string for this method*

*'''*

          for key in self.priceDict:   
               self.\_priceBtax += self.\_orderDict[key] \* self.\_priceDict[key]

               self.\_priceAtax = self.\_priceBtax + (self.\_priceBtax \* self.\_tax)

*# Print the bill on the console*  
    **def printBill(self):**

         '''

*The doc string for this method*

*'''*

          print("\nYour bill:")

          print("Your bill:")  
          for key in self.\_orderDict:   
                  print(" %-20s Qty: %-10d Price: $%-10.2f Total: $%-10.2f" %(key, self.\_orderDict[key],self.\_priceDict[key], \(self.\_orderDict[key]\*self.\_priceDict[key])))  
          print("-"\*50)  
          print("Price before tax:" , self.priceBtax)  
          print("Price after tax:" , self.priceAtax)

*# Save the bill in a file*

**def saveToFile(self):**

         '''

*The doc string for this method*

*'''*

          #You need to fill it

**Use the following naming style for your file** - you may use it in the *saveToFile method.*

***import time****# <= This line can be on the top of your code*  
***timeStamp = time.time()***  
*# print(timeStamp)           # <= You don't need this line. I just put it here to show you what the output will be.*  
*#1533498418.1082168*

***import datetime*** *# <= This line can be on the top of your code*  
***orderTimeStamp = datetime.datetime.fromtimestamp(timeStamp).strftime('%Y-%m-%d %H-%M-%S')***  
*# print(orderTimeStamp)    # <= You don't need this line. I just put it here to show you what the output will be.*  
*#2018-08-05 12-46-58*

*# Then concatenate this string with ".txt"*

***orderTimeStamp = orderTimeStamp + '.txt'***

*# 2018-08-05 12-46-58.txt*

*# Now you can use this string as your output file name:*

***with open(orderTimeStamp,'w') as fileHandleToSaveTheBill :***

In a separate file create two objects and run the related methods:

**from** theFileYouSavedOrderClass **import** Order

if  \_\_name\_\_ == "\_\_main\_\_":

**while** **True**:  
         order = Order()  
         order.displayMenu()  
         order.getInputs()  
         order.calculate()  
         order.printBill()  
         order.saveToFile()

         help(order)

         userInputToContinue = **input**("Continue for another order(Any keys= Yes, n= No)?")

**if** userInputToContinue.**lower**() == 'n':

**print**("The system is shutting down!")

**break**

* **You MUST use dictionaries to save data.**
* Use strip() function to strip your inputs.
* Don't forget Doc Strings for the class and all methods
* **Only display 2 decimal points when displaying all the numbers.**
* Put **at least two outputs**(results after you run your code) at the end of your code as a multi-line comment.
* **Don't forget to put your name and a short description of your code on the top on your code.**
* **Don't forget to test your code with Positive and Negative Testing! (For more information see this page:**[**Testing**](https://deanza.instructure.com/courses/9416/pages/testing)**)  => Your code should show an error if you enter invalid inputs.**
* **Do not forget to submit TWO output text files (their names should be based on the format mentioned above) with your Python file here.**

**Submit your Python code and TWO output text files here.**