

Exam 1 Instructions

Apply the steps we covered in Chapter 3 for Finding the Classes, and Writing Code for the Classes. Create the necessary appropriately named classes, methods, and a main program that asks the user to enter the required information. Sales tax and total charges should be calculated in separate methods inside of the appropriate class. Be sure to include comments describing what the code is doing. When completed, compress the folder containing all of the files associated with the program. Submit the compressed folder through the Exam 1 programming assignment link in Blackboard for grading.

Problem Description

A local veterinarian at **The Pet Boutique** has asked you to create a program for her office to create invoices for her patient's office visits. When a customer brings their pet to the boutique, the clerk gets the Customer's name, address, phone number and email address, as well as the pet's name, pet type, pet age, and pet weight. After the customer sees the Veterinarian, the clerk determines the charges for the services, and medications for the office visit and prints the invoice for the customer's records. The invoice should include the Customer's name, address, phone, and email address, the pet's name, type, age, and weight, service charges, medication charges, sales tax, and the total charges for the office visit. All calculations should take place in the class methods. All display should use method calls to the get methods from the classes to display the appropriate information. Do not accept any numbers that are less than or equal to zero. Calculate the sales tax using a constant equal to .0925 and limit the display to two decimal places.