



CL-217 OBJECT ORIENTED PROGRAMMING LAB

LAB TASK 5

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Write a program to help a local restaurant automate its breakfast billing system. The program should do the following:

- Show the customer the different breakfast items offered by the restaurant.
- Allow the customer to select more than one item from the menu.
- Calculate and print the bill.

Assume that the restaurant offers the following breakfast items (the price of each item is shown to the right of the item):

Name of Item	Quantity	tax	Waiting time	Charges	Ingredients
Plain Egg	10	0.1	10mins	\$1.45	A,B,C
Bacon and Egg	22	0.2	20mins	\$2.45	E,F,G
Muffin	23	0.3	30mins	\$0.99	H,I,J
French toast	1	0.3	10mins	\$1.99	K,L,M
Fruit Basket	3	0.2	10mins	\$2.49	N,O,P
Cereal	44	0.2	10mins	\$0.69	Q,R,S
Coffee	44	0.2	10mins	\$0.50	T,U,V
Tea	44	0.2	10mins	\$0.75	X,Y,Z

Use an array, menuList, of the struct menuItemType . Your program must contain at least the following functions:

- Function getData: This function loads the data into the array menuList from a file.
- Function showMenu: This function shows the different items offered by the restaurant and tells the user how to select the items.
- Function printCheck: This function calculates and prints the check.
- Use Character Array for Ingredients.

A sample output is:

Welcome to Johnny's Restaurant

Item	Quantity	Price/item	Ingredients
Bacon and Egg	2	\$2.45	A,B,C
Muffin	2	\$0.99	E,F,G
Coffee	1	\$0.50	H,I,J
Total Tax	2	\$0.20	
Amount Due	2	\$4.14	

Format your output with two decimal places. The name of each item in the output must be left justified. You may assume that the user selects only one item of a particular type.