

Create a system used in a restaurant. Clients can buy several food and beverages. Your system shall have several types of food: appetizer, main course and dessert. Beverages can be hot and cold drinks.

The system shall calculate the amount of a client needs to pay. Among the things that need to be included are the unit price per food and beverage, the number of food and beverage that a customer orders per table.

If a customer chooses all types of food (excluding beverage), that customer can be given a discount of 5% towards the total amount before tax. Additional 2% discount is given when the customer orders more than 5 items (including beverage) from the total amount before tax.

The total amount is subjected to a Sales and Service tax of 8%.

Example of calculation:

Sample 1	Sample 2	Sample 3
Appetizer: 1 item	Appetizer: 0 item	Appetizer: 2 items
Main Course: 1 item	Main Course: 1 item	Main Course: 3 items
Dessert: 2 items	Dessert: 0 item	Dessert: 0 item
Beverage: 2 items	Beverage: 1 item	Beverage: 3 items
All types of food selected? YES (DISCOUNT 5% GIVEN)	All types of food selected? NO (DISCOUNT 5% NOT GIVEN)	All types of food selected? NO (DISCOUNT 5% NOT GIVEN)
Total items ordered: 6 items (ADDITIONAL 1% DISCOUNT)	Total items ordered: 2 items (NO ADDITIONAL 1% DISCOUNT)	Total items ordered: 8 items (DISCOUNT 1% GIVEN)
All purchases are subject to 8 PERCENT SST regardless of the total price		