

Project Question: SuperMarket Bill Generation System

Objective:

Create a Python program that simulates a supermarket billing system. The system should allow a user (customer) to view available items, make purchases, and generate a detailed final bill including tax.

Your Task:

Design a Python script that performs the following:

1. Takes the customer's name as input.
2. Displays a list of items available in the store with their prices.
3. Allows the user to:
 - View the item list
 - Purchase multiple items
 - Enter the quantity for each item (ensure input is numeric)
4. Calculates the price for each item purchased and maintains a running total.
5. Applies 10% tax on the total amount.
6. Displays a formatted bill including:
 - Serial number
 - Item names

- Quantities
- Total amount
- Tax
- Final amount after tax

7. Gracefully exits when the user finishes shopping.

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