

Coffee Shop Menu System.

This C++ program simulates a menu-driven Coffee Shop system where customer can :

- Order coffee items.
- View the available inventory (Stock of items).
- See the total bill of their order.

Over View.

1. **Coffee Menu Display** : Shows a menu of our coffee shop with their current price.
2. **Order Processing** : Allows the user to order multiple items with available quantities.
3. **Inventory Management** : Display the available stock for each items.
4. **Bill Generation** : Generates a total bill for all ordered items.
5. **Exit Option** : Provides an option to exit the program after completing the order.

How To Run.

1. Open your C++ IDE.
2. Copy and Paste the code into a .cpp file.
3. Run the program.
4. Follow the on screen instructions to interact with the menu.

Menu Options.

Upon running the program you will be presented with the following options :

1. Order coffee – View and select coffee items from the menu to order.
2. View Inventory – Check the available stock for each coffee item.
3. Exit – Exit the program after completing your order to checking the inventory.

Functions.

Menu System.

- Display the coffee menu with prices and available stock.

Order Tacking.

- Handles the process of adding items to the customer's order.

Billing.

- Display the final bill of customer ordered items.

Inventory.

- After billing program return and shows the Inventory with current inventory levels for each item.

Example Walkthrough.

1. Welcome Screen.

```
Last login: Wed Sep 18 13:08:28 on ttys007
mohamedafrrar@Afrars-MacBook-Air ~ % /Users/mohamedafrrar/
Desktop/Mid\ 1\ Final\ Assignment\ cp\ NIBM/mid1 ; exit;

Welcome to the AURA TEA CAFE
```

2. Main Menu Options.

```
1. Order Coffee
2. View Inventory
3. Exit

Please select an option
```

3. Order Process Example.

```
Select an item by number (1 -8) or 0 to finish ordering
: 8
```

4. Final Bill

```
Your Bill
Total amount : Rs2640.00
Thank you for your purchase!
```

5. Inventory View.

```
1. Plane Tea Rs 80.00(Available : 30)
2. Lankan Special Tea Rs 125.00(Available : 20)
3. Mocha Rs 400.00(Available : 10)
4. Cappuccino Rs 490.00(Available : 10)
5. Americano Rs 550.00(Available : 20)
6. Milk Cappuccino Rs 520.00(Available : 9)
7. Coffee .co Tea Rs 300.00(Available : 12)
8. Choco latte Rs 330.00(Available : 8)
```

6. Exit.

```
Come Again. Have a great day
```

Conclusion.

This C++ program efficiently simulates a basic coffee shop system, allowing customers to place orders, view inventory, and receive a total bill. It demonstrates essential programming concepts such as arrays, functions, and control structures.