

Assignment - TechShop, an electronic gadgets shop

-Anish Kumar, Python Batch-1

Customer Menu

1. Insert Customer

```
1. Customers
2. Products
3. Orders
4. OrderDetails
5. Inventory
6. Exit

Enter your choice: 1

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 1
Enter First Name: Anish
Enter Last Name: Kumar
Enter Email: ak2458@gmail.com
Enter Phone: 5648953222
Enter Address: Shaitaan Street,LYD
Customer inserted successfully.
```

2. Delete Customer

Customer inserted successfully.

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 2

Enter Customer ID to delete: 1

Customer deleted successfully.

3. Calculate Total Orders

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 3

Enter Customer ID: 2

Total Orders: 1

4. Get Customer Details

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 4

Enter Customer ID: 2

Customer ID: 2

Name: John Doe

Email: john.doe@example.com

Phone: 1234567890

Address: 123 Main St

5. Update Customer Info

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 5

Enter Customer ID: 2

Enter New Email: doejohn@gmail.com

Enter New Phone: 9571830014

Enter New Address: St. Peter Street 1

Customer information updated successfully.

6. Exiting from Customer Menu

1. Insert Customer
2. Delete Customer
3. Calculate Total Orders
4. Get Customer Details
5. Update Customer Info
6. Exit

Enter your choice: 6

Exiting the Customer!!

Product Menu

1. Get Product Details

Enter your choice: 2

1. Get Product Details
2. Insert Product
3. Update Product Info
4. Check Product Stock
5. Exit

Enter your choice: 1

Enter Product ID: 4

Product ID: 4

Product Name: Smartwatch

Description: Fitness tracking smartwatch

Price: 200.00

2. Insert Product

1. Get Product Details
2. Insert Product
3. Update Product Info
4. Check Product Stock
5. Exit

Enter your choice: 2

Enter Product Name: Iphone 16s

Enter Product Description: Iphone 16, 8GB/128GB

Enter Product Price: 90000

Product inserted successfully.

3. Update Product Info

Product inserted successfully.

1. Get Product Details
2. Insert Product
3. Update Product Info
4. Check Product Stock
5. Exit

Enter your choice: 3

Enter Product ID: 11

Enter New Price: 100000

Enter New Description: Iphone 16s, 12GB/512GB

Product information updated successfully.

4. Check Product Stock

- ```
1. Get Product Details
2. Insert Product
3. Update Product Info
4. Check Product Stock
5. Exit
```

```
Enter your choice: 4
Enter Product ID: 2
```

```
Product is in stock.
```

#### 5. Exiting from Product Menu

- ```
1. Get Product Details
2. Insert Product
3. Update Product Info
4. Check Product Stock
5. Exit
```

```
Enter your choice: 5
```

```
Exiting the Product!!
```

Order Menu

1. Adding Order

Enter your choice: 1

1. Insert Order
2. Update Order Status
3. Cancel Order
4. Calculate total amount
5. Get order details
6. Exit

Enter your choice: 1

Enter Customer ID: 2

Enter Total Amount: 100

Order inserted successfully.

2. Update Order Status

Order inserted successfully.

1. Insert Order
2. Update Order Status
3. Cancel Order
4. Calculate total amount
5. Get order details
6. Exit

Enter your choice: 2

Enter Order ID: 12

Enter New Status: Delivered

Order status updated successfully.

3. Cancel Order

1. Insert Order
2. Update Order Status
3. Cancel Order
4. Calculate total amount
5. Get order details
6. Exit

Enter your choice: 3

Enter Order ID: 14

Order cancelled successfully !

4. Calculate Total Amount

1. Insert Order
2. Update Order Status
3. Cancel Order
4. Calculate total amount
5. Get order details
6. Exit

Enter your choice: 4

Enter Order ID: 12

Total Amount calculated and updated successfully.

5. Get Order Details


```
1. Insert Order
2. Update Order Status
3. Cancel Order
4. Calculate total amount
5. Get order details
6. Exit

Enter your choice: 5
Enter Order ID: 6

Order Details for Order ID: 6
Product: Printer, Quantity: 2, Status: Pending
```

Order Details Menu

1. Calculate Sub Total

```
Enter your choice: 4
1. Calculate SubTotal
2. Get Order Details
3. Update Quantity
4. Add Discount
5. Exit
Enter your choice: 1
Enter Order Detail ID: 7

Subtotal: 200.00
```

2. Get Order Details

```
Subtotal: 200.00
1. Calculate SubTotal
2. Get Order Details
3. Update Quantity
4. Add Discount
5. Exit
Enter your choice: 2
Enter Order Detail ID: 7
```

```
Order Detail ID: 7
Order ID: 4
Product ID: 4
Product Name: Smartwatch
Quantity: 1
```

3. Update Quantity

```
1. Calculate SubTotal
2. Get Order Details
3. Update Quantity
4. Add Discount
5. Exit
Enter your choice: 3
Enter Order Detail ID: 7
Enter new quantity: 10

Quantity updated successfully.
```

4. Add Discount

```
1. Calculate SubTotal
2. Get Order Details
3. Update Quantity
4. Add Discount
5. Exit
Enter your choice: 4
Enter Order Detail ID: 7
Enter Discount Percentage: 12

Discount applied successfully.
New total price: 1760.0000
```

Inventory

1. Get Product

```
1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 1
Enter the inventory id: 3

{'ProductID': 3, 'ProductName': 'Tablet', 'Description': '10-inch tablet', 'Price': Decimal('400.00')}
```

2. Get Quantity In Stock

```
1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 2
Enter the inventory id: 3

Quantity in Stock: 75
```

3. Add Product to Inventory

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 3
Enter the product id: 2
Enter the quantity in stock: 50
Enter the last stock update: 2024-10-14

Inventory item inserted successfully.

4. Remove from Inventory

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 4
Enter the inventory id: 11
Enter the quantity: 5

Quantity removed from inventory successfully.

5. Update Stock Quantity

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 5

Enter the inventory id: 11

Enter the new quantity: 50

Stock quantity updated successfully.

6. Check Product Availability

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 6

Enter Inventory ID: 7

Enter Quantity to Check: 10

Product is available in inventory.

7. Get Inventory Value of specific Item

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 7

Enter Inventory ID: 4

Inventory value: 6000.00

8. List all low stock Products lesser than the given threshold value

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 8

Enter the threshold for low stock: 30

Low Stock Products:

Product: Printer, Quantity in Stock: 20

Product: Camera, Quantity in Stock: 15

9. List Out of Stock Products

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 9

Out of Stock Products:
Mouse

10. List all Products in Inventory

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 10

All Products in Inventory:

Product: Laptop, Quantity in Stock: 50
Product: Smartphone, Quantity in Stock: 100
Product: Tablet, Quantity in Stock: 75
Product: Smartwatch, Quantity in Stock: 30
Product: Headphones, Quantity in Stock: 139
Product: Keyboard, Quantity in Stock: 120
Product: Monitor, Quantity in Stock: 40
Product: Mouse, Quantity in Stock: 0
Product: Printer, Quantity in Stock: 20
Product: Camera, Quantity in Stock: 15
Product: Smartphone, Quantity in Stock: 50

11. Exiting from Inventory Menu

1. Get Product
2. Get Quantity in Stock
3. Add To Inventory
4. Remove From Inventory
5. Update Stock Quantity
6. Product Available
7. Get Inventory Value
8. List Low Stock Products
9. List Out Of Stock Products
10. List All Products
11. Exit

Enter your choice: 11

Exiting from Inventory!!

Exiting from the Main Menu

1. Customers
2. Products
3. Orders
4. OrderDetails
5. Inventory
6. Exit

Enter your choice: 6

Exiting from the system, Thank you !