GROCERY STORE BILLING SYSTEM USING PYTHON

Name: Aditya Raj

Roll No.: 202501100700175

Branch: ECE

Section: SEC A

Problem Statement

A grocery store wants to calculate the total cost of items purchased by a customer.
• Calculate the total cost of 3 different items.
• Add a 10% discount if the total exceeds $50.
• Display the final payable amount.

Program Requirements:
1. Accept price input for 3 items.
2. Calculate total cost.
3. Apply 10% discount if total > $50.
4. Display Original Total, Discount (if applicable), and Final Amount.
5. Use proper indentation and comments.

Python Code

```python
# Grocery Store Billing System

# Taking input for prices of 3 items
item1 = float(input("Enter price of Item 1: $"))
item2 = float(input("Enter price of Item 2: $"))
item3 = float(input("Enter price of Item 3: $"))

# Calculating total cost
total = item1 + item2 + item3

# Initialize discount
discount = 0

# Applying 10% discount if total exceeds $50
if total > 50:
    discount = total * 0.10  # 10% discount

# Calculating final payable amount
final_amount = total - discount

# Displaying results
print("\n----- BILL SUMMARY -----")
print("Original Total: $", round(total, 2))
print("Discount: $", round(discount, 2))
print("Final Payable Amount: $", round(final_amount, 2))
```