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#Supermarket Billing System
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```
print("-"*50)
print("Welcome to Supermarket Billing System")
print("-"*50)
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```
#Ask for customer details
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Name = input("Enter your name: ")
Phone = input("Enter your phone number: ")
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#dictionary of products and their price
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```
products = {"Milk": 30.0, "Banana": 20.0, "Chocolate": 35.0,
            "Flour": 27.0, "Rice": 50.0, "Sugar": 25.0,
            "Paneer": 80.0, "Yogurt": 20.0, "Chips": 10.0,
            "Tea": 50.0, "Coffee": 70.0, "Juices": 20.0,
            "Apple": 50.0, "Cooking oil": 60.0, "Ghee": 250.0,
            "Grapes": 30.0, "Tomatoes": 40.0, "Biscuits": 10.0}
```

```
print("-"*50)
print("Items in stock:")
print("-"*50)
```

```
for i,j in products.items(): #to show all the items in products
    print(i,":",j) #tuple unpacking
print("-"*50)
```

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while True:
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    amount = 0
    total = 0
    purchased_items = [] #List to store purchased item's details
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```
    while True:
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        p_item = input("Enter the product name: ").title()
        if p_item not in products:
            print("Product not found. Please Enter a valid item.")
            continue
        quantity = float(input("Enter the quantity: "))
        price = products[p_item]
        item_total = price * quantity
        purchased_items.append([p_item, quantity, price, item_total]) #Add item details to bill
        amount += item_total
```

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repeat = input("Add another item? (yes/no): ")
if repeat == "no":
    break

#calculate discount based on total amount
if amount > 5000:
    discount = 0.25
    percent = "25% discount applied"
elif amount > 3500:
    discount = 0.20
    percent = "20% discount applied"
elif amount > 1500:
    discount = 0.15
    percent = "15% discount applied"
elif amount > 500:
    discount = 0.10
    percent = "10% discount applied"
else:
    discount = 0.05
    percent = "5% discount applied"

total = amount - (amount*discount)

#Formatting the receipt
print("\n" + "-"*23 + "BILL" + "-"*23)
print("Name:",Name)
print("Phone number:",Phone)
print("-"*50)
print(f"{'Product':<15}{'Qty':<10}{'Price':<10}{'Total':<10}") #Receipt header with spacing
print("-"*50)
for item in purchased_items:
    print(f"{item[0]:<15}{item[1]:<10}{item[2]:<10}{item[3]:<10}") #Itemized bill
print("-"*50)
print("Thank you for shopping with us!")

again = input("Do you want to process another bill? (yes/no): ").lower()
if again == "no":
    break

```

Welcome to Supermarket Billing System

Enter your name: Karthik

Enter your phone number: 7892570607

Items in stock:

Milk : 30.0
Banana : 20.0
Chocolate : 35.0
Flour : 27.0
Rice : 50.0
Sugar : 25.0
Paneer : 80.0
Yogurt : 20.0
Chips : 10.0
Tea : 50.0
Coffee : 70.0
Juices : 20.0
Apple : 50.0
Cooking oil : 60.0
Ghee : 250.0
Grapes : 30.0
Tomatoes : 40.0
Biscuits : 10.0

Enter the product name: milk

Enter the quantity: 2

Add another item? (yes/no): yes

Enter the product name: chocolate

Enter the quantity: 4

Add another item? (yes/no): yes

Enter the product name: rice

Enter the quantity: 1.5

Add another item? (yes/no): yes

Enter the product name: apple

Enter the quantity: 3

Add another item? (yes/no): yes

Enter the product name: chips

Enter the quantity: 2

Add another item? (yes/no): no

-----BILL-----

Name: Karthik

Phone number: 7892570607

Product	Qty	Price	Total
Milk	2.0	30.0	60.0
Chocolate	4.0	35.0	140.0
Rice	1.5	50.0	75.0
Apple	3.0	50.0	150.0
Chips	2.0	10.0	20.0

Thank you for shopping with us!

Do you want to process another bill? (yes/no): no