In [ ]:
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print("Hello World")
```

In [9]:
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# Dictionary of products
# Key represents the product name and value represents the price

print("~" * 8, "Welcome to Super Store Binay", "~" * 8)
print("\nChoose your products: ")
print("- chips - 20")
print("- soap - 10")
print("- harpic - 40")
print("- water bottle - 40")
print("- cold drinks - 35")
print("- coconut oil - 85")
print("- toothpaste - 60")
print("- shampoo - 120")
print("- biscuit - 10")
print("- milk - 50")
print("- bread - 30")
print("- rice - 80")
print("- sugar - 45")
print("- salt - 15")
print("- oil - 110")
print("- dal - 90")
print("- detergent - 150")
print("- tea - 200")


products = {
            "chips": 20, "soap": 10, "harpic": 40,
            "water bottle": 20, "cold drink": 35, "coconut oil": 85,
            "toothpaste": 60, "shampoo": 120, "biscuit": 10,
            "milk": 50, "bread": 30, "rice": 80,
            "sugar": 45, "salt": 15, "oil": 110,
            "dal": 90, "detergent": 150, "tea": 200
            }

# Initialize total aamout and cart
amount = 0  # To keep track of total bill
cart = {} # Dictionary to store purchased items and their quantities

# Input customer details
name = input("Enter your name here: ").title() # Capitalize name
phone_no = input("Enter your phone number here: ") # No validatio for simplicity

# Prompt for product selection
print("\n Enter quantity and product name: ")

while True:
    # Ask for quantity and connvert to float for cases like weights ( e.g., 0.5k
    quantity = float(input("Enter quantity: "))

    # Loop until a valid product name is entered
    while True:
        p_name = input("Enter product name: ").lower() # Product in lower case f
        if p_name not in products:
            print("Product not found. Please enter a valid product.")
        else:
            break # Break the loop if valid product is found.
```

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    # Calculate the cost for the current product and update the total amount
    amount += quantity * products[p_name]

    # Store the product and its quantity in the cart for later printing
    cart[p_name] = (products[p_name], quantity)

    # Ask the user if they want to add more items
    more_items = input("Do you want to add more items ? (Yes/No): ").lower()

    if more_items in ["no", "n"]:
        break # Exit the loop if user says no

# Apply discount based on the total amount
# Different discount rates for different total ranges

if amount <= 500:
    discount = 0.05 # 5% discount
elif amount <= 1000:
    discount = 0.07 # 7% discount
elif amount <= 5000:
    discount = 0.01 # 10% discount
elif amount <= 10000:
    discount = 0.15 # 15% discount
else:
    discount = 0 # No discounts amount greater than 10000

# Calculate the discount amount and final payable amount
discount_amount = amount * discount
final_amount = amount - discount_amount

# Print the bill
print("\n" + "-" * 30)
print(f"Customer name: {name}")
print(f"Phone number: {phone_no}")
print("\nItems purchased: ")

# Loop through the cart and print the items with their price and quantity
for item, (price, qty) in cart.items():
    print(f"{item.title()} : {qty} * {price} = {qty * price}")

# Print the total amount before discount
print(f"\n Total amount: {amount}")

# Show discount details if any discounnt was applied
if discount > 0:
    print(f"Discount appled: {discount * 100}%")
    print(f"Discount amount: {discount_amount: .2f}")

# Print the final payable amount after applying the discount
print(f"Final amount after discount: {final_amount:.2f}")
print("-" * 30)
```

```
~~~~~~~~ Welcome to Super Store Binay ~~~~~~~~

Choose your products:
- chips - 20
- soap - 10
- harpic - 40
- water bottle - 40
- cold drinks - 35
- coconut oil - 85
- toothpaste - 60
- shampoo - 120
- biscuit - 10
- milk - 50
- bread - 30
- rice - 80
- sugar - 45
- salt - 15
- oil - 110
- dal - 90
- detergent - 150
- tea - 200
 Enter quantity and product name:
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Customer name: Binay
Phone number: 9078122417

Items purchased:
Water Bottle : 3.0 * 20 = 60.0

 Total amount: 60.0
Discount appled: 5.0%
Discount amount:  3.00
Final amount after discount: 57.00
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In [ ]:

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