# **Shopping Cart Problem – Medium (Intermediate)**

-by Bharath C S

# **Approach to the solution:**

The approach to shopping cart problem – medium is done using python, basically creating single dictionary for the retrieval of price, discount price. In my solution there is only one dictionary where each key is item number which is associated with list of items which include price, discount price, weights(in grams). Check for valid Customer name, phone number and also payment method is added to ensure proper input is given by user. Based upon the delivery distance, shipping charge is calculated and displayed .At last bill is generated based on the selected products by customer (multiple items can to be chosen along with it's quantity). Net tax on actual price, net tax on discount price is also calculated and displayed, payment method along with total sum to be paid is displayed in the bill. Shipping address if chosen home delivery is also displayed along with shipping distance and shipping charge.

# Scenario 1: If home delivery is chosen

#### **Screenshot 1:**

#### **Screenshot 2:**

```
Shop Name: GadgetifyWithBlr
Shop Address: 311/5 Akash Nagar , Bangalore, Karnataka, India
Shop Phone.No: +91 9988776655

Date and Time of Purchase: 11/07/2020 09:39:39

Customer Name: Bharath C S
Customer Phone.No: 919945223344

Item_name | Quantity | Price | Discount_Price |
| boAt Bassheads 242 Wired Headset | 2 | 1000 | 900 |
| Wireless Optical mouse - Lenova Yoga | 2 | 11800 | 8000

Total Tax on actual price of items: 768.00
Total Tax on discount price of items: 534.00
Total amount saved: 3900
Shipping address: Samrudhi Nilaya, Scout camp road, Bangalore
Shipping distance(in km): 20.0
Shipping distance(in km): 20.0
Shipping distance(in km): 20.0
Payment method used: card
```

## Scenario 2: If take away is chosen

#### **Screenshot 3:**

## **Screenshot 4:**

```
Shop Name: GadgetifyWithBlr
Shop Address: 311/5 Akash Nagar , Bangalore, Karnataka, India
Shop Phone.No : +91 9988776655

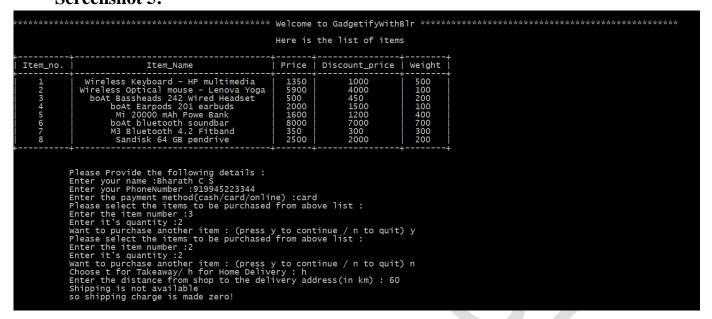
Date and Time of Purchase : 11/07/2020 09:48:33

Customer Name : Bharath C S
Customer Phone.No: 919945223344

Item_name | Quantity | Price | Discount_Price |
boAt Bassheads 242 Wired Headset | 2 | 1000 | 900 |
Wireless Optical mouse - Lenova Yoga | 2 | 11800 | 8000 |

Total Tax on actual price of items : 768.00
Total Tax on discount price of items : 534.00
Total amount saved: 3900
Shipping charges: 0
Amount to be paid: 9434.00
Payment method used: card
```

# Scenario 3: When home delivery is chosen for more than 50km, say 60km Screenshot 5:



### **Screenshot 6:**