

## Expected Output:

Enter name of the vehicle :

Variant of the vehicle : (0,0,0)

(a) Hatchback

(b) Sedan

(c) SUV (0,0,0)

(d) MUV (0,0,0)

Choose Variant (0,1,2,3) : 3

Enter Cost of the MUV (5L - 25L) :

Enter colour of the vehicle : Maroon

Enter number of vehicles available : 1994

Enter booking period (open -1, close -0) : 1

Enter name of the customer : Ashwath

Enter gender : Male

Occupation : -1 (not working) 0 (working)

(a) Defence worker

(b) Ex-defence worker

(c) Neither (not working) 0 (working)

Choose Occupation (0,1,2) : 1

Enter booking ID :

## ----- INVOICE -----

Name of the customer : Ashwath

Booking ID :

Name of the vehicle :

Variant : MUV

Colour : Maroon

Cost after discount :

No. of vehicles available : 1994

Booking : Open

Ex. No.: 3	Title : ----- OI9M -----
Date :	Lopping (random)
20-09-2021	rainbow) training & start - 3 - first . fix . E : option may not allow removal) .

Algorithm:

Step 1: Start

Step 2: Read vname, vcolor, nov, bookp, cname, bookid, defenc, dcost, gandr, engine and choice

Step 3: Print cname, bookid and vname

Step 4: Read vtype ( Hatchback, Sedan, SUV, MUV) and vcost with respect to the vtype.

Step 5: Print vtype and vcost

Step 6: Print vcolor

Step 7: Check if the customer is working in defence or an ex-defence person. If yes, apply 10% discount, else, do not apply 10% discount.

Step 8: Check if the number of vehicles > 0.

If yes, print the number of vehicles available, else, print "Vehicle not available".

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----- MENU -----

1. Customer Profile
2. Discount Calculation
3. Print E-Quote
4. Exit

Enter your choice : 1

1. Customer Profile

Name: Ashwath Reddy

Gender: Male

Booking ID: 1001

Occupation: Ex-Defence Worker

----- MENU -----

1. Customer Profile
2. Discount Calculation
3. Print E-Quote
4. Exit

Enter your choice : 2

2. Discount Calculation

Total Cost:

Discount Amount: 100

Cost after Discount:

100 - 100 = 0

----- MENU -----

1. Customer Profile
2. Discount Calculation
3. Print E-Quote
4. Exit

Enter your choice : 3

Step 9: Check if the booking period is open. If yes, print "Booking: Open", else, print "Booking: Close".

Step 10: Implement a do while loop in the following switch case statement:

Case 1: Print Customer Profile

Case 2: Print Discount Calculation

Case 3: Print E-Quote

Case 4: Exit application

Step 11: Read choice and perform its respective case. The loop continues until the choice is not equal to 4.

Step 12: Stop

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2) E-Quote

Manufacturer of Engine: Maruti

Part Name: Engine

Cost: 18000

Manufacturer: Maruti

Part Name: Brake System

Cost: 3000

Manufacturer: Indian Breaks LTD.

Part Name: Chassis

Cost: 12000

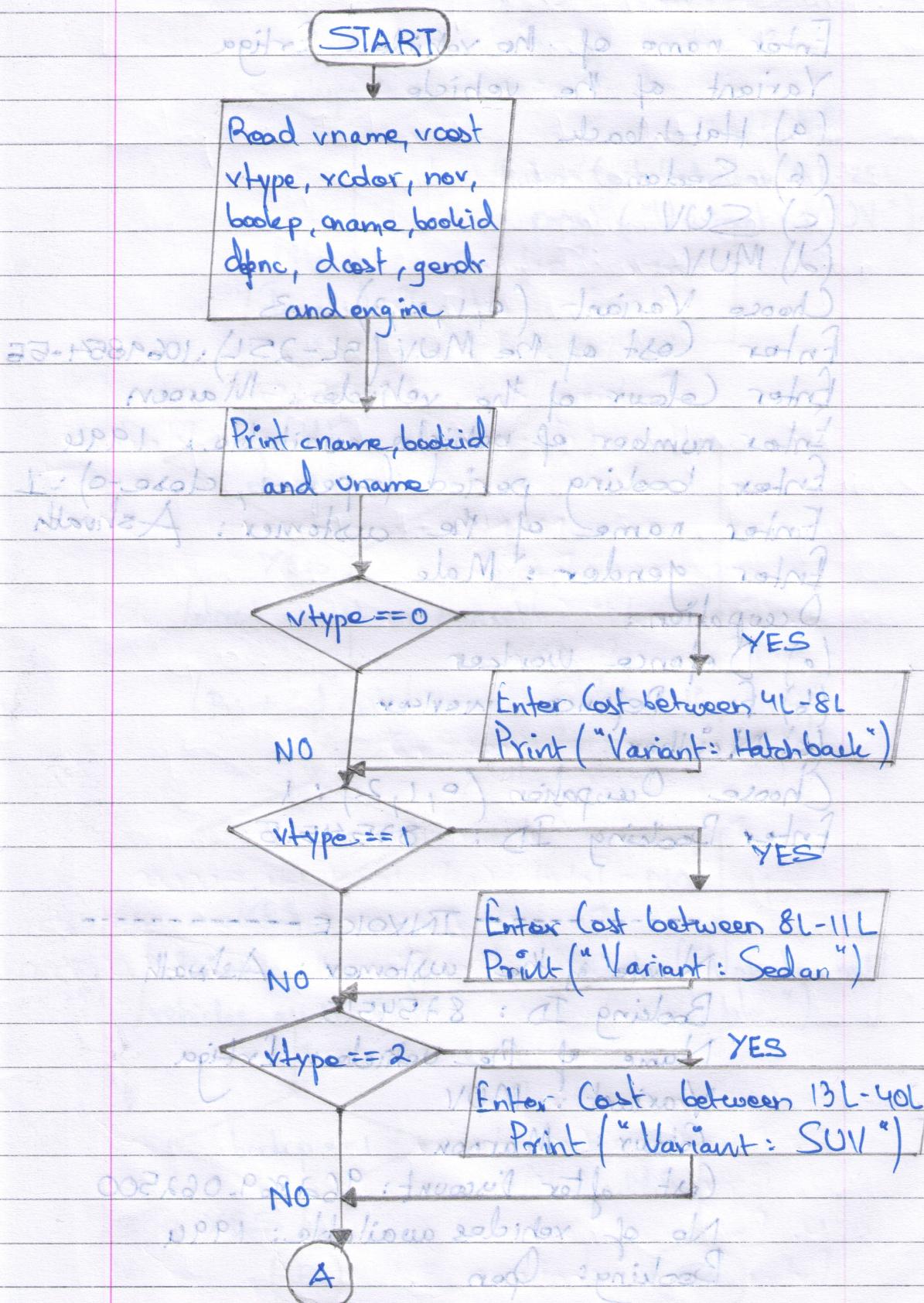
Manufacturer: Kritis Chassis Pvt.LTD

#### ----- MENU -----

1. Customer Profile
2. Discount Calculation
3. Print E-Quote
4. Exit

Enter your choice: 4

Flowchart:



## Sample Output:

Enter name of the vehicle: Ertiga

Variant of the vehicle:

- (a) Hatchback four, seven, board
- (b) Sedan five, seven, eight
- (c) SUV six, seven, eight
- (d) MUV seven, eight, nine

Choose Variant (0, 1, 2, 3): 3

Enter Cost of the MUV (5L-25L): 1069854.55

Enter Colour of the vehicle: Maroon

Enter number of vehicles available: 1994

Enter booking period (open-1, close-0): 1

Enter name of the customer: Ashwath

Enter gender: Male

Occupation:

- (a) Defence Worker
- (b) Ex-Defence Worker
- (c) Neither

Choose Occupation (0, 1, 2): 1

Enter Booking ID: 8754515

----- INVOICE -----

Name of the customer: Ashwath

Booking ID: 8754515

Name of the vehicle: Ertiga

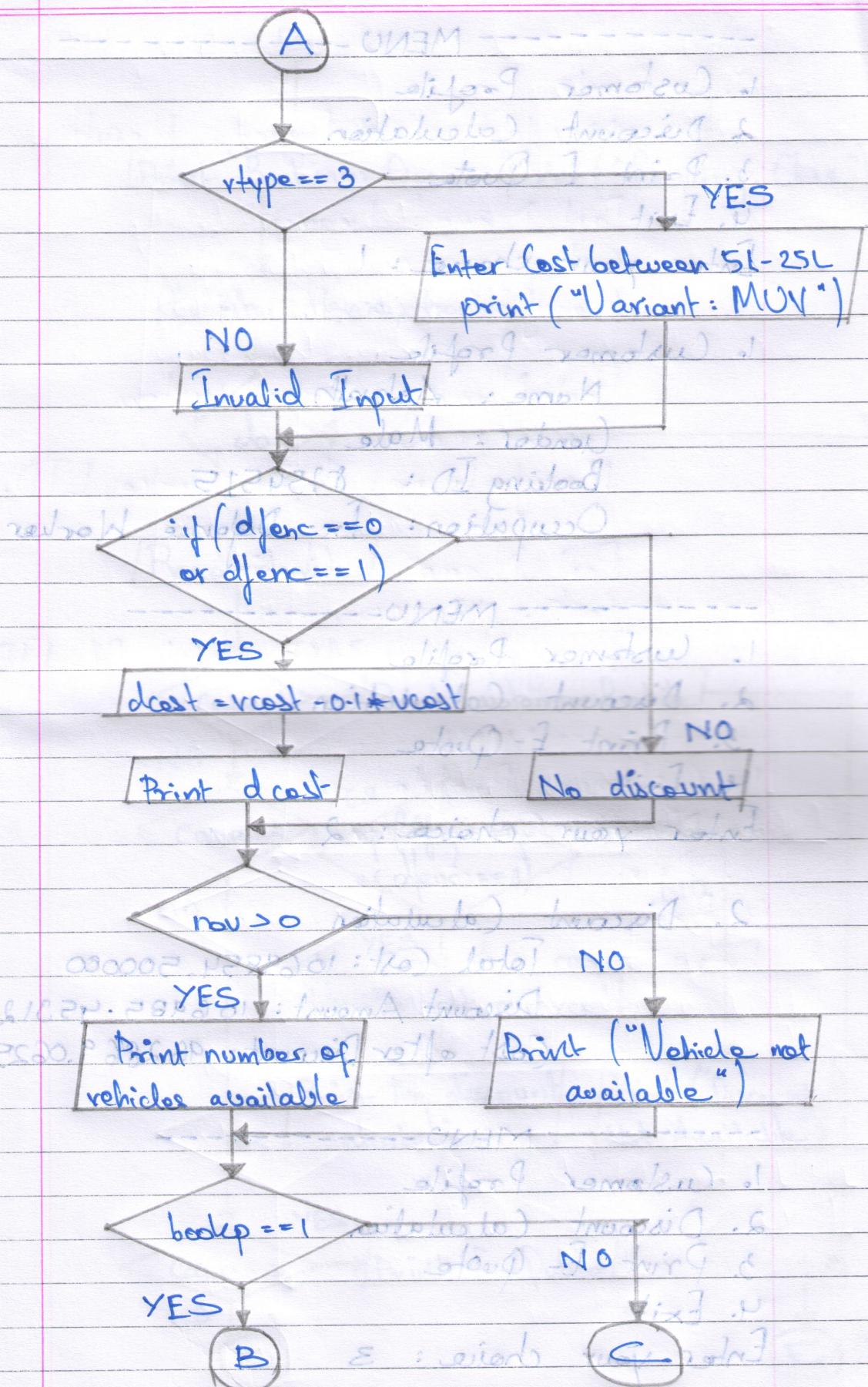
Variant: MUV

Colour: Maroon

Cost after Discount: 962869.062500

No of vehicles available: 1994

Booking: Open



----- MENU -----

1. Customer Profile
2. Discount Calculation
3. Print E-Quote
4. Exit

Enter your choice : 1

(\* VCN : tracing (\*))

1. Customer Profile

Name : Ashwath bhat

Gender : Male

Booking ID : 8754515

Occupation : Ex-Defence Worker

----- MENU -----

1. Customer Profile

2. Discount Calculation

3. Print E-Quote

4. Exit

Enter your choice : 2

2. Discount Calculation

Total Cost : 1069854.50000

Discount Amount : 106985.453125

Cost after Discount : 962869.062500

----- MENU -----

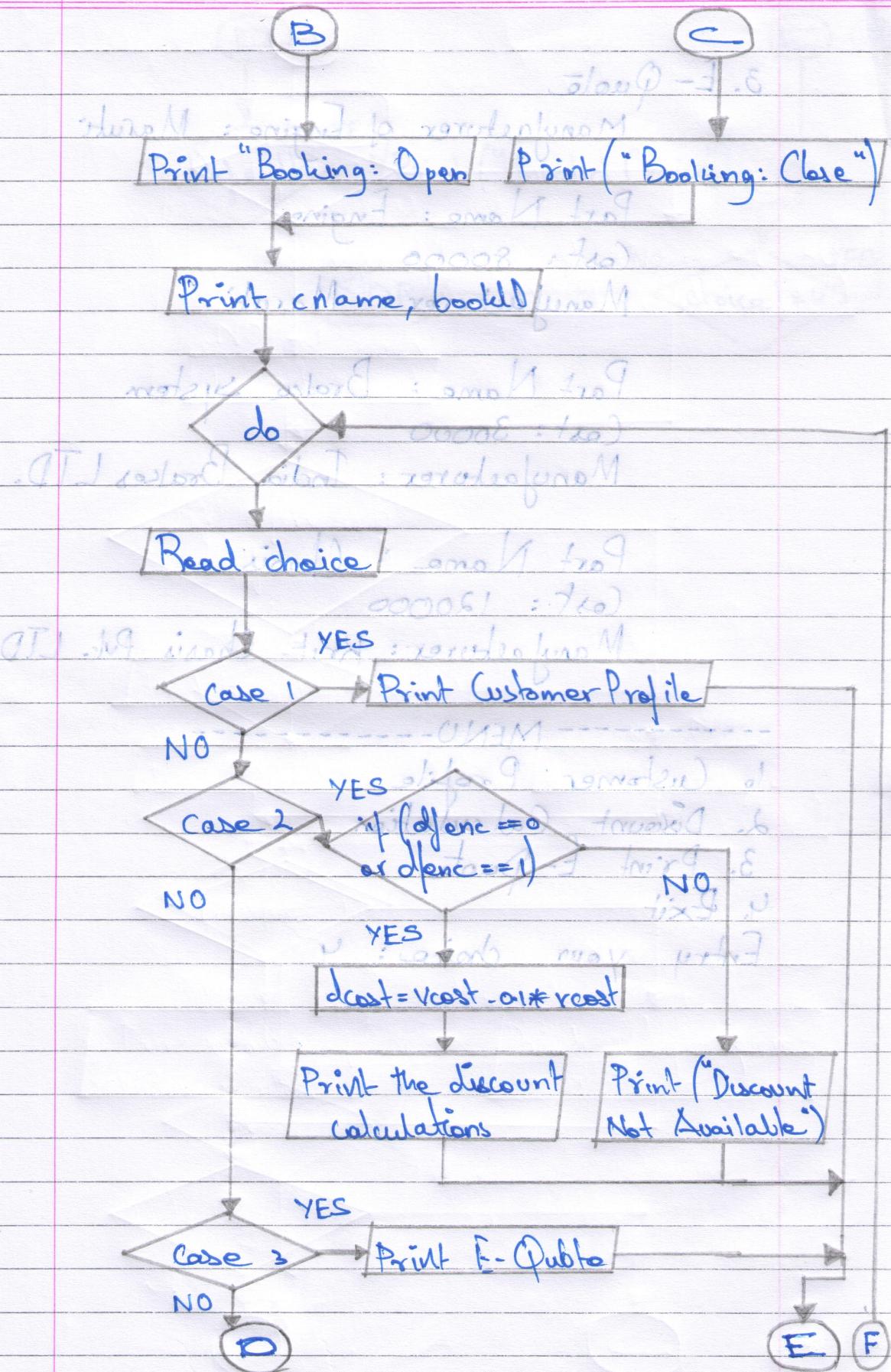
1. Customer Profile

2. Discount Calculation

3. Print E-Quote

4. Exit

Enter your choice : 3



### 3. E-Quotation

Manufacturer of Engine: Maruti

Part Name: Engine

Cost: 80000

Manufacturer: Maruti

Part Name: Brake System

Cost: 30000

Manufacturer: India Brakes LTD.

Part Name: Chassis

Cost: 120000

Manufacturer: Kriti Chassis Pvt. LTD

#### ----- MENU -----

1. Customer Profile

2. Discount Calculation

3. Print E-Quotation

4. Exit

Entry your choice: 4

