

Exp.no:1-b  
Date :29/11/22

## **RETAIL SHOP BILLING**

### **AIM:**

To draw the flow chart and write the algorithm for calculating retail shop billing.

### **ALGORITHM:**

Step 1: Start

Step 2: Get the bill number

Step 3: Get the customer name, address and phone number.

Step 4: Get the value of total No. of items purchased(n)

Step 5: Initialize the values for  $i=0$ ,  $Total=0$  and  $subtotal=0$

Step 6: Check if condition  $i < n$

6.1: If true get item name, price, quantity and the discount

6.2: Calculate the  $subtotal = Qty * price - discount$

6.3: Calculate the  $total = Total + subtotal$

6.4: Increment the value of  $i$  and go to step 6

Step 7: If false, get the GST value

Step 8: Calculate total bill amount  $= total + GST/100$

Step 9: Display the total bill amount

Step 10: Stop

## PSEUDO CODE

START

GET the bill number

GET the customer name , address and phone number

GET the value of total number of items purchased (n)

INITIALIZE  $I = 0$  , total = 0 and sub total = 0

If ( $i < n$ )

THEN

    GET item name , price , quantity and discount

    CALCULATE subtotal = quantity \* price – discount

    CALCULATE total = total + subtotal

    INCREMENT the value of  $i$

ELSE

    GET the GST value

    CALCULATE total = total + subtotal

    INCREMENT the value of  $i$

ELSE

    GET the GST value

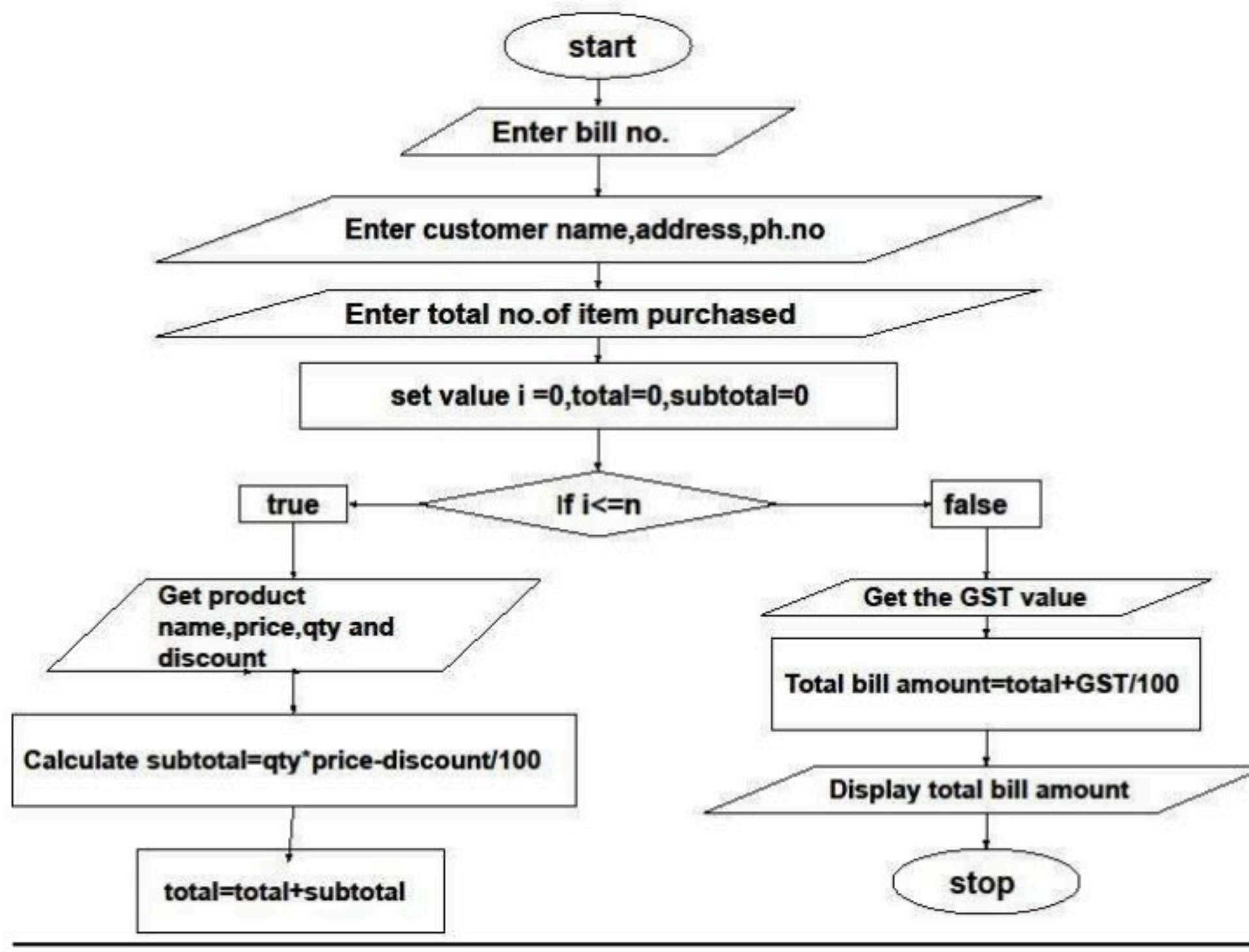
    CALCULATE total bill amount = total + GST/100

    DISPLAY the total bill amount

END IF

STOP

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## RESULT:

Thus the flowchart and algorithm is written for the given problem.