

Mmarket

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ANALYZING THE PROBLEMS:

This program is to create online market which is called Mmarket. The program will show eight items to customer, member or staff and let them buy as much as they want. The program will calculate the price of the items and give the total and discount amount and total after discount. Program able to print out the bill and save the bill into file.

- **INPUT:**

1. UserName.
2. Three options [1] for customer [2] for member [3] for staff.
3. Member should enter secret key which is “member” and staff should enter “staff” as secret key as well.
4. Number of items that user wants to buy.
5. Options that if the user wants to print out the bill.
6. Option that if the user wants to save a bill into a file.

- **OUTPUT:**

1. Greeting to user.
2. Ask user to enter his/her name.
3. Three options:
 1. Enter [1] if you are customer.
 2. Enter [2] if you are member.
 3. Enter [3] if you are staff.
4. Program will ask member and staff to enter the secret key.
5. Eight items will be shown:

Customer and staff price

[1] Microwave [299RM]	[5] Shoe Rack [12RM]
[2] Iron [40RM]	[6] Kitchen Carpet [24RM]
[3] Rice Cooke [80RM]	[7] Micro SD [40RM]
[4] Hair Dryer [50RM]	[8] Mini Speaker [10RM]

Membership Price

[1] Microwave [250RM]	[5] Shoe Rack [12RM]
[2] Iron [35RM]	[6] Kitchen Carpet [24RM]
[3] Rice Cooke [75RM]	[7] Micro SD [35RM]
[4] Hair Dryer [47RM]	[8] Mini Speaker [10RM]

6. Ask for number of items that user wants to buy.
7. Choose the item by select item number.
8. Give the total price of items.
9. Give amount of discount.
10. Give total after discount.
11. Ask if user wants to print out the bill.
12. Ask if user wants to save the bill into file.

- **CONSTRAINTS:**

1. Members and staffs should enter the secret key.
2. Customers and members and staff can buy as much as they want.
3. Members price is different to customers and staff price.
4. Items price is different from members' price to customer and staff price.
5. Staffs have special price which is 1RM for items with price of 5 to 30RM, and 5RM for items with price of 31 to 99RM, and 10RM for items price 100RM and more.
6. Customers and staff have 5% discount if they buy more than 300, while staffs don't have.
7. Should read the items from the file, and print out the bill to another file.

- **DATA TYPE :**

1. Int
2. Float
3. String
4. ofstream

- **PROCESS AND FORMULA :**

1. Ask for user name.
2. Gave three options:
 - a. Customer
 - b. Member
 - c. staff
3. member and staff should enter the secret key.
4. User will enter the amount of items that user wants to buy.
5. Each item price will be added to another price by (Total = Total + item price.)
6. Customers and members have discount if they buy more than 300RM.
7. Staffs have special discount which is 1RM for items with price of 5 to 30RM, and 5RM for items with price of 31 to 99RM, and 10RM for items price 100RM and more.
8. Customer and member total be shown will as following :
 - a. Final total.
 - b. Amount of discount which is 5% (discount = total* 0.05).

c. Total after discount ($\text{total} = \text{total} * \text{discount}$).

9. Staff total will be shown as following :

a. Final total.

b. Amount of discount for all items ($\text{amount} = \text{amount} + \text{staff discount}$).

c. Total after discount ($\text{total} = \text{total} - \text{amount}$).

10. Save and print out the bill into file.

- **ALGORITHM (PSEUDOCODE) :**

Functions Headers and global variables.

Customer ()

Membership ()

Staff ()

String items (fstream file)

Fstream handle("ass2.txt")

string itemsFromFile = items(handle)

Declare string bill[100][2]

Declare integer ic

Declare integer ip

Declare string name,

main function ()

Declare integer select

Declare integer memberCode

Declare integer staffCode;

Output "Please dear valuable customer enter your name"

Input name

output"Enter [1] If you are customer"

output"Enter [2] If you are member"

output"Enter [3] If you are staff"

input select

if (select = 1) do

customer ()

else if (**select** = 2) do

output "please enter the member code"

input **memberCode**

if (**memberCode** = "member" or **memberCode** = "MEMBER")

membership ()

else

output "the code is wrong"

output "please enter the member code again "

input **memberCode**

if (**memberCode** = "member" or **memberCode** = "MEMBER")

membership()

else

output " the code is wrong"

output "please enter the member code last time"

input **memberCode**

if (**memberCode** = "member" or **memberCode** = "MEMBER")

membership ()

else

output "sorry your are not member"

return **main**()

endif

endif

endif

else

else if (**select** = 3) do


```

output"please enter the staff code"
input staffCode
if (staffCode = "staff" or staffCode = "STAFF") {
    staff()
else
    output "the code is wrong"
    output"please enter the staff code again "
    input staffCoud
    if (staffCode = "staff" or stafCode = "staff")
        staff ()
    else
        output " the code is wrong"
        output"please enter the staff code last time "
        input staffCode
        if (staffCode = "staff" or staffCode = "STAFF") {
            staff();
        else
            output "sorry you are not staff"
            return main ()
        endif
    endif
endif
endif
else
    output "FATAL ERROR! Whatever it is you have done. Don't do it again please"
    return main()
endif

```

End main function ()

Function items ()

```
Declare string content
Declare string** items = 0
items = new string * [8]
for ( h = 0 and h < 8,, h+1)
    tems[h] = new string[2]
endfor
Declare integer k
Declare integer l
l = k = 0
while (getline (file, content))
    Declare iss(content)
    Declare string sub
    while (iss into sub)
        items[i][k] = sub
        k+1
    endWhile
    k=0
    i+1
endWhile
return itemsend function items()
```

Function customer()

Declare integer **itemsCount**

Declare integer **itemChoice**

Declare float **discount**

Declare Float **total**

Declare float **amount**

For (I = 0 and I < 8, I + 1)

itemsFromFile [i][0]

Output "how many items that you want to buy".

Input **itemsCount**.

Output "choose the item by typing number from [1] to [8]"

Ic = pc = 0

For (x = 0 and x < **itemsCount** ,x+1)

Input **itemChoice**

If **itemChoice** = 1 Then

Total = **Total** + 299

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "Microwave"

pc +1;

bill[ic][pc] = "299"

ic + 1

pc = 0

End if

Else If itemChoice = 2 Then

Total = Total + 40

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Iron "

pc +1;

bill[ic][pc] = "40"

ic + 1

pc = 0

End if

Else If itemChoice = 3 Then

Total = Total + 80

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Rice Cooke "

pc +1;

bill[ic][pc] = "80"

ic + 1

pc = 0

End if

Else If itemChoice = 4 Then

Total = Total + 50

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Hair Dryer "

pc +1;

bill[ic][pc] = "50"

ic + 1

pc = 0

End if

Else If itemChoice = 5 Then

Total = Total + 12

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Shoe Rack"

pc +1;

bill[ic][pc] = "12"

ic + 1

pc = 0

End if

Else If itemChoice = 6 then

Total = Total + 24

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "Kitchen Carpet"

pc +1;

bill[ic][pc] = "24"

ic + 1

pc = 0

End if

Else If itemChoice = 7 Then

Total = Total + 40

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "micro SD"

pc +1;

bill[ic][pc] = "40"

ic + 1

pc = 0

End if

Else If itemChoice = 8 Then

Total = Total + 10

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Mini Speaker"

pc +1;

bill[ic][pc] = "10"

ic + 1

pc = 0

End if

End if x+1

End for

Output **total**

If **total** > 300 do

Discount = **total**

Amount = **total** * 0.05

Discount = **discount** – **amount**

Output “**the discount**” **amount**

Output “**total after discount**” **discount**

end if

Declare string **yes_no**

Output “**do you want to print out your bill**”

Input **yes_no**

If **yes_no** = “y”

For (i = 0 and i < itemCount, i+1)

For (j = 0 and j < 2, j+1)

If j = 0 do

 Output i + 1, bill[i][j]

Else output bill[i][j]

endif

endfor

discount=**total**

output “**total** =” **total**

output “**the discount**” **amount**

output “**total after discount**” **discount- amount**

output “**do you want to save the bill in fill**”

Input **yes_no**

if **yes_no** = y do

 write into file(bill.txt)

```

if(file is open) do
    output "this bill for" name
    for (i = 0 and i < itemCount and i+1)
        for (j = 0 and j < 2 and j + 1)
            if (j = 0) do
                file output bill[i][j]
            else
                file output bill[i][j]
            endif
        endfor
    endfor
    file output "the total" total
    file output "the discount" total*0.05
    file output "total after discount" discount
endif
file is close
output "Thank you for shopping with us"
else
    output "Thank you for shopping with us"
endif
else
    output "Thank you for shopping with us"
endif

```

End function customer.

Function membership ()

Declare integer **itemsCount**

Declare integer **itemChoice**

Declare float **discount**

Declare Float **total**

Declare float **amount**

For (I = 0 and I < 8, I + 1)

itemsFromFile [i][0]

Output'' **how many items that you want to buy**''.

Input **itemsCount**.

Output "**choose the item by typing number from [1] to [8]**"

Ic = pc = 0

For (x = 0 and x < **itemsCount** ,x + 1)

Input **itemChoice**

If **itemChoice** = 1 **Then**

Total = **Total** + 250

if ic > 100

output "**MAXIMUM REACHED**"

else

bill[ic][pc] = "**Microwave**"

pc +1;

bill[ic][pc] = "**250**"

ic + 1

pc = 0

End if

Else If **itemChoice** = 2 **Then**

Total = **Total** + 35

```
if ic > 100
    output "MAXIMUM REACHED"
else
    bill[ic][pc] = " Iron "
    pc +1;
    bill[ic][pc] = "35"
    ic + 1
    pc = 0
End if
```

Else If itemChoice = 3 Then

Total = Total + 75

```
if ic > 100
    output "MAXIMUM REACHED"
else
    bill[ic][pc] = " Rice Cooke "
    pc +1;
    bill[ic][pc] = "75"
    ic + 1
    pc = 0
End if
```

Else If itemChoice = 4 Then

Total = Total + 47

```
if ic > 100
    output "MAXIMUM REACHED"
else
    bill[ic][pc] = " Hair Dryer "
```

```
pc +1;  
bill[ic][pc] = "47"
```

```
ic + 1
```

```
pc = 0
```

```
End if
```

```
Else If itemChoice = 5 Then
```

```
    Total = Total + 12
```

```
    if ic > 100
```

```
        output "MAXIMUM REACHED"
```

```
    else
```

```
        bill[ic][pc] = " Shoe Rack"
```

```
        pc +1;
```

```
        bill[ic][pc] = "12"
```

```
        ic + 1
```

```
        pc = 0
```

```
    End if
```

```
Else If itemChoice = 6 then
```

```
    Total = Total + 24
```

```
    if ic > 100
```

```
        output "MAXIMUM REACHED"
```

```
    else
```

```
        bill[ic][pc] = "Kitchen Carpet"
```

```
        pc +1;
```

```
        bill[ic][pc] = "24"
```

```
        ic + 1
```

```
        pc = 0
```

```
    End if
```

Else If itemChoice = 7 Then

Total = Total + 35

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "micro SD"

pc +1;

bill[ic][pc] = "35"

ic + 1

pc = 0

End if

Else If itemChoice = 8 Then

Total = Total + 10

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Mini Speaker"

pc +1;

bill[ic][pc] = "10"

ic + 1

pc = 0

End if

End if

End for

Output total

If total > 300 do

Discount = total

Amount = total * 0.05

Discount = discount – amount

Output “the discount” amount

Output “total after discount” discount

end if

Declare string yes_no

Output “do you want to print out your bill”

Input yes_no

If yes_no = “y”

For (i = 0 and i < itemCount, i+1)

For (j = 0 and j < 2, j+1)

If j = 0 do

Output i + 1, bill[i][j]

Else output bill[i][j]

endif

endfor

discount = total

output “total =” total

output “the discount” amount

output “total after discount” discount -amount

output “do you want to save the bill in file”

Input yes_no

if yes_no = y do

write into file(bill.txt)

if(file is open) do

output “this bill for” name

for (i = 0 and i < itemCount and i+1)

```

    for (j = 0 and j < 2 and j + 1)
        if (j = 0) do
            file output bill[i][j]
        else
            file output bill[i][j]
        endif
    endfor

    endfor

    file output "the total" total
    file output "the discount" total*0.05
    file output "total after discount" discount
    endif

    file is close

    output" Thank you for shopping with us"

else

    output" Thank you for shopping with us"

endif

else

    output" Thank you for shopping with us"

endif

End function membership.

```

function staff ()

Declare integer **itemsCount**

Declare integer **itemChoice**

float **discount**

Float **amount**

For (I = 0 and I < 8, I + 1)

itemsFromFile [i][0]

Output "how many items that you want to buy".

Input itemCount.

Output "choose the item by typing number from [1] to [8]"

Ic = pc = 0

For (x = 0 and x < itemCount ,x+1)

Input itemChoice

If itemChoice = 1 Then

Total = Total + 299

amount = amount + 10

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "Microwave"

pc +1;

bill[ic][pc] = "299"

ic + 1

pc = 0

End if

Else If itemChoice = 2 Then

Total = Total + 40

amount = amount + 5

if ic > 100

output "MAXIMUM REACHED"

else

```
bill[ic][pc] = " Iron "  
pc +1;  
bill[ic][pc] = "40"  
ic + 1  
pc = 0  
End if
```

Else If itemChoice = 3 Then

```
Total = Total + 80
```

```
amount = amount + 5
```

```
if ic > 100
```

```
output "MAXIMUM REACHED"
```

```
else
```

```
bill[ic][pc] = " Rice Cooke "
```

```
pc +1;
```

```
bill[ic][pc] = "80"
```

```
ic + 1
```

```
pc = 0
```

```
End if
```

Else If itemChoice = 4 Then

```
Total = Total + 50
```

```
amount = amount + 5
```

```
if ic > 100
```

```
output "MAXIMUM REACHED"
```

```
else
```

```
bill[ic][pc] = " Hair Dryer "
```

```
pc +1;
```


bill[ic][pc] = "50"

ic + 1

pc = 0

End if

Else If itemChoice = 5 Then

Total = Total + 12

amount = amount + 1

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = " Shoe Rack"

pc +1;

bill[ic][pc] = "12"

ic + 1

pc = 0

End if

Else If itemChoice = 6 then

Total = Total + 24

amount = amount + 1

if ic > 100

output "MAXIMUM REACHED"

else

bill[ic][pc] = "Kitchen Carpet"

pc +1;

bill[ic][pc] = "24"

ic + 1

pc = 0

End if

Else If `itemChoice = 7` Then

`Total = Total + 40`

`amount = amount + 5`

if `ic > 100`

output "MAXIMUM REACHED"

else

`bill[ic][pc] = "micro SD"`

`pc +1;`

`bill[ic][pc] = "40"`

`ic + 1`

`pc = 0`

End if

Else If `itemChoice = 8` Then

`Total = Total + 10`

`amount = amount + 10`

if `ic > 100`

output "MAXIMUM REACHED"

else

`bill[ic][pc] = " Mini Speaker"`

`pc +1;`

`bill[ic][pc] = "10"`

`ic + 1`

`pc = 0`

End if

End if x+1

End for

Output **total**

Output "the discount =" **amount**

Output " **total after discount**" **total** - **amount**

Declare string **yes_no**

Output "do you want to print out your bill"

Input **yes_no**

If **yes_no** = "y"

For (i = 0 and i < itemCount, i+1)

For (j = 0 and j < 2, j+1)

If j = 0 do

Output i + 1, bill[i][j]

Else output bill[i][j]

endif

endfor

total = **total** + **amount**

output "total =" **total**

output "the discount" **amount**

output "total after discount" **total** - **amount**

output "do you want to save the bill in file"

Input **yes_no**

if **yes_no** = y do

write into file(bill.txt)

if(file is open) do

output "this bill for" **name**

for (i = 0 and i < **itemCount** and i+1)

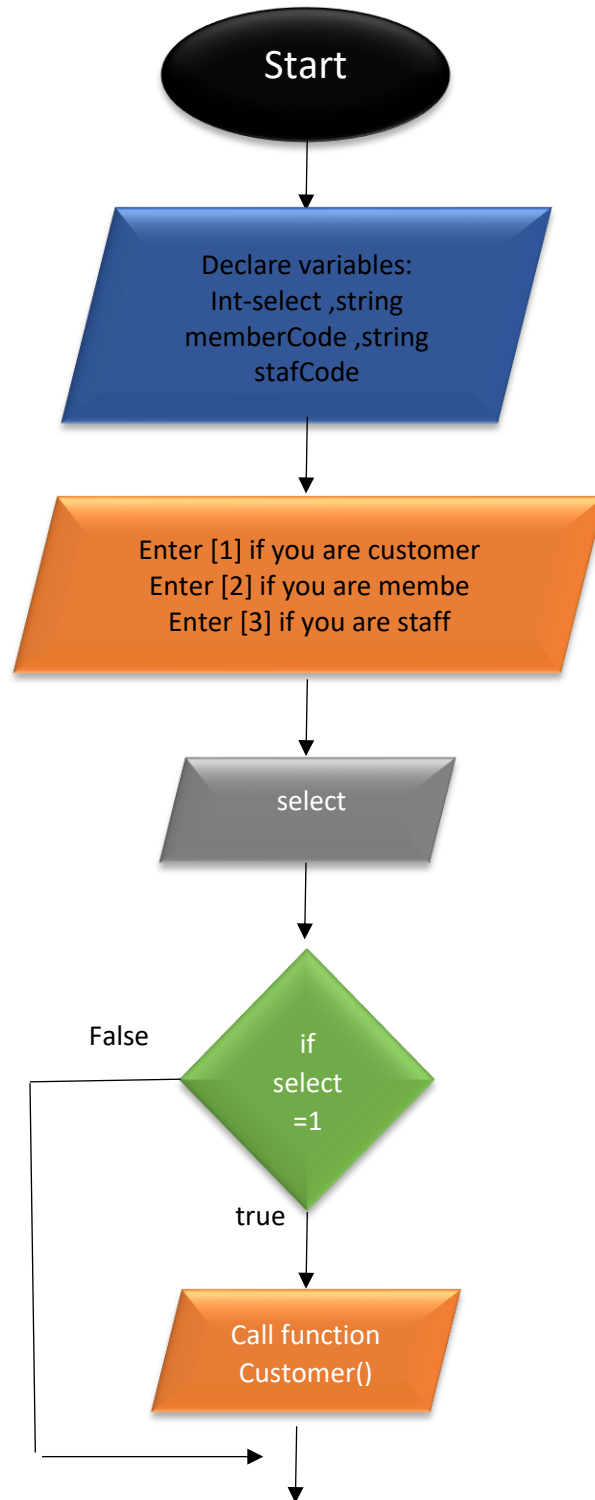
for (j = 0 and j < 2 and j + 1)

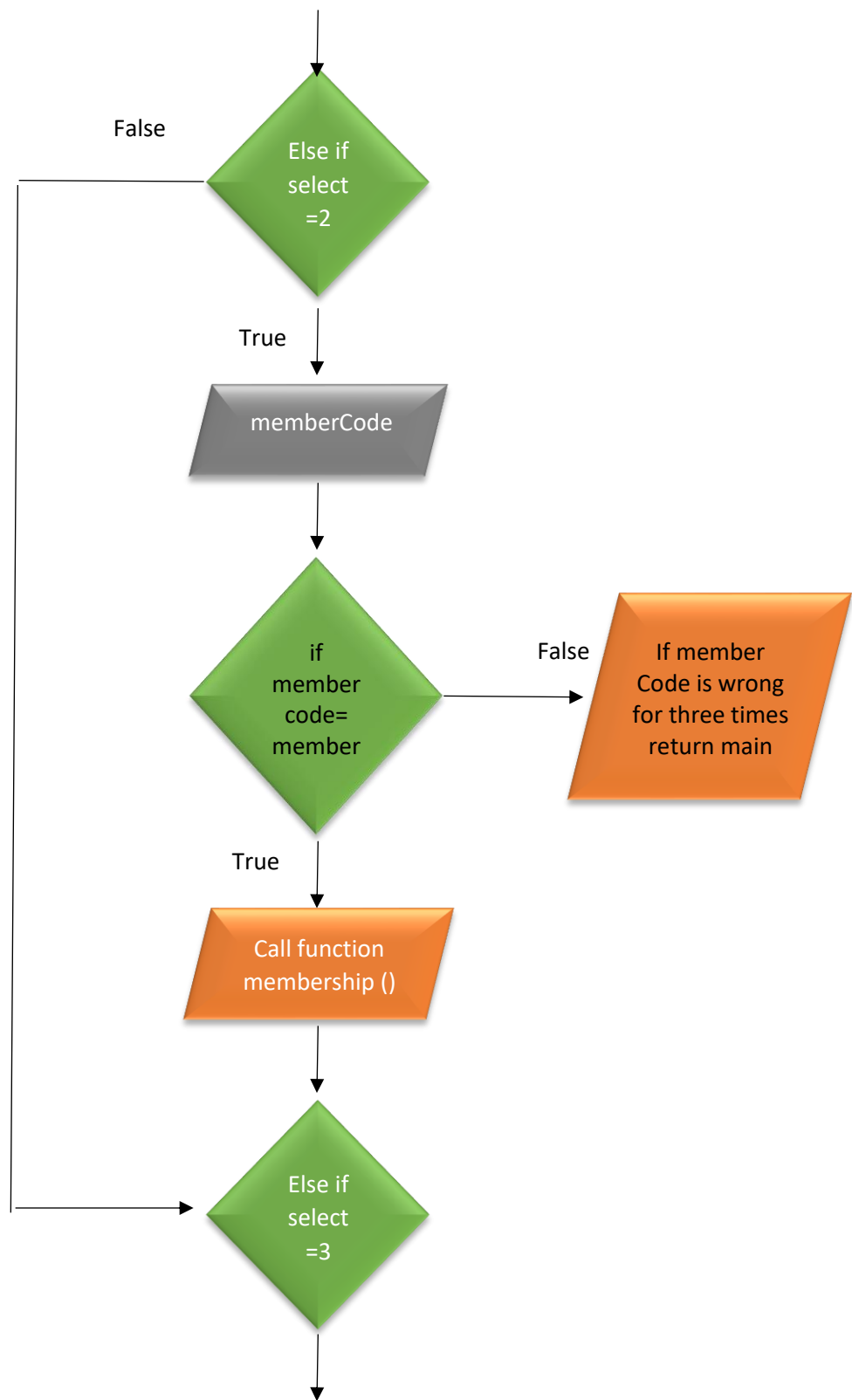
if (j = 0) do

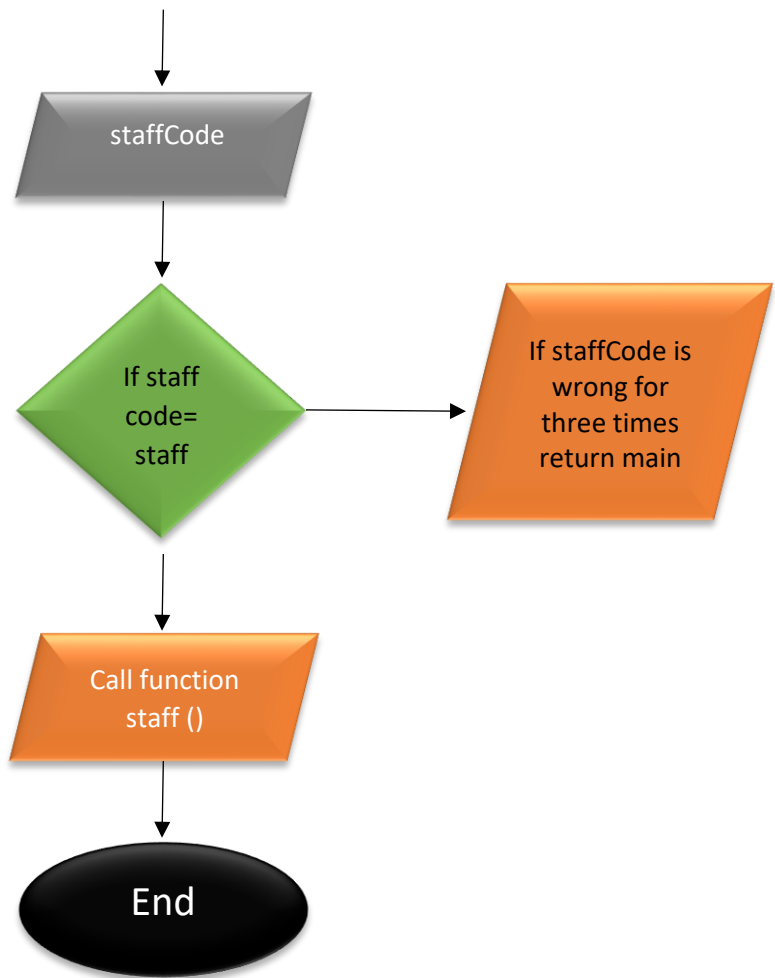
```
        file output bill[i][j]
    else
        file output bill[i][j]
    endif
endfor
endif
file output "the total" total
file output "the discount" amount
file output "total after discount" total - amount
endif
file is close
output "Thank you for shopping with us"
else
    output "Thank you for shopping with us"
endif
else
    output "Thank you for shopping with us"
endif
End function staff.
```

- **Flow chart**

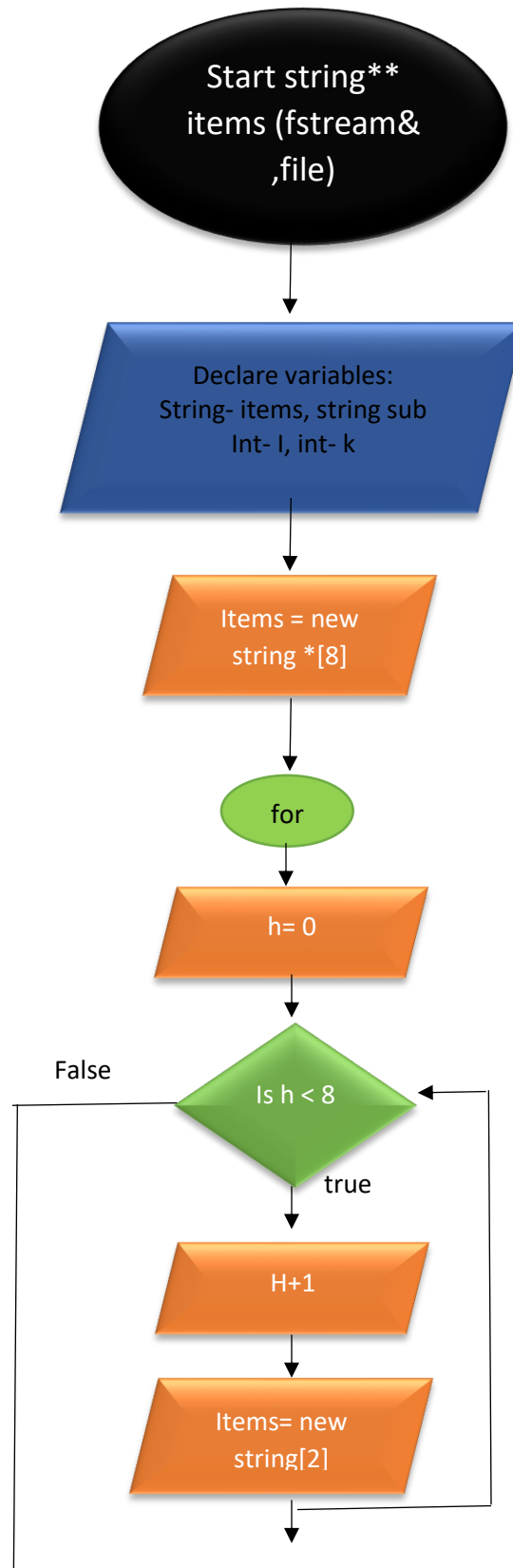
Function 'main'

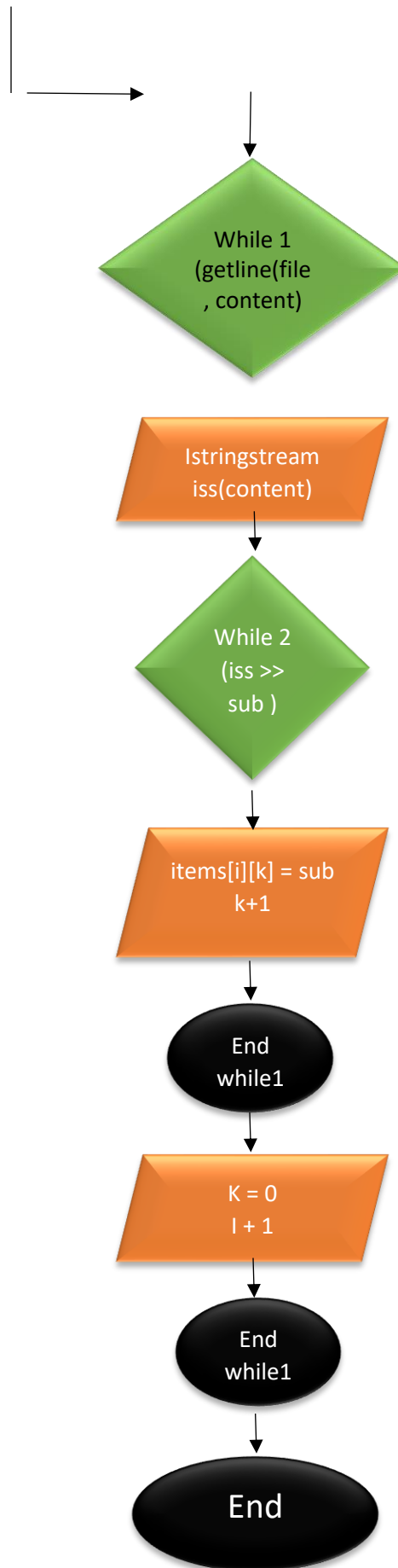




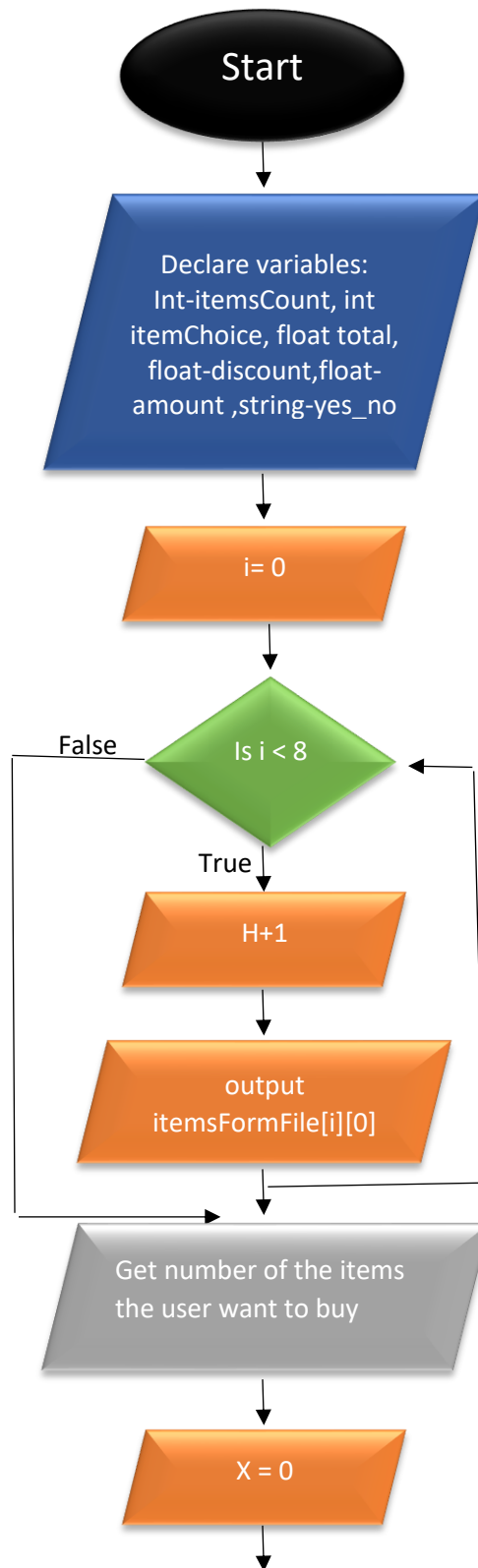


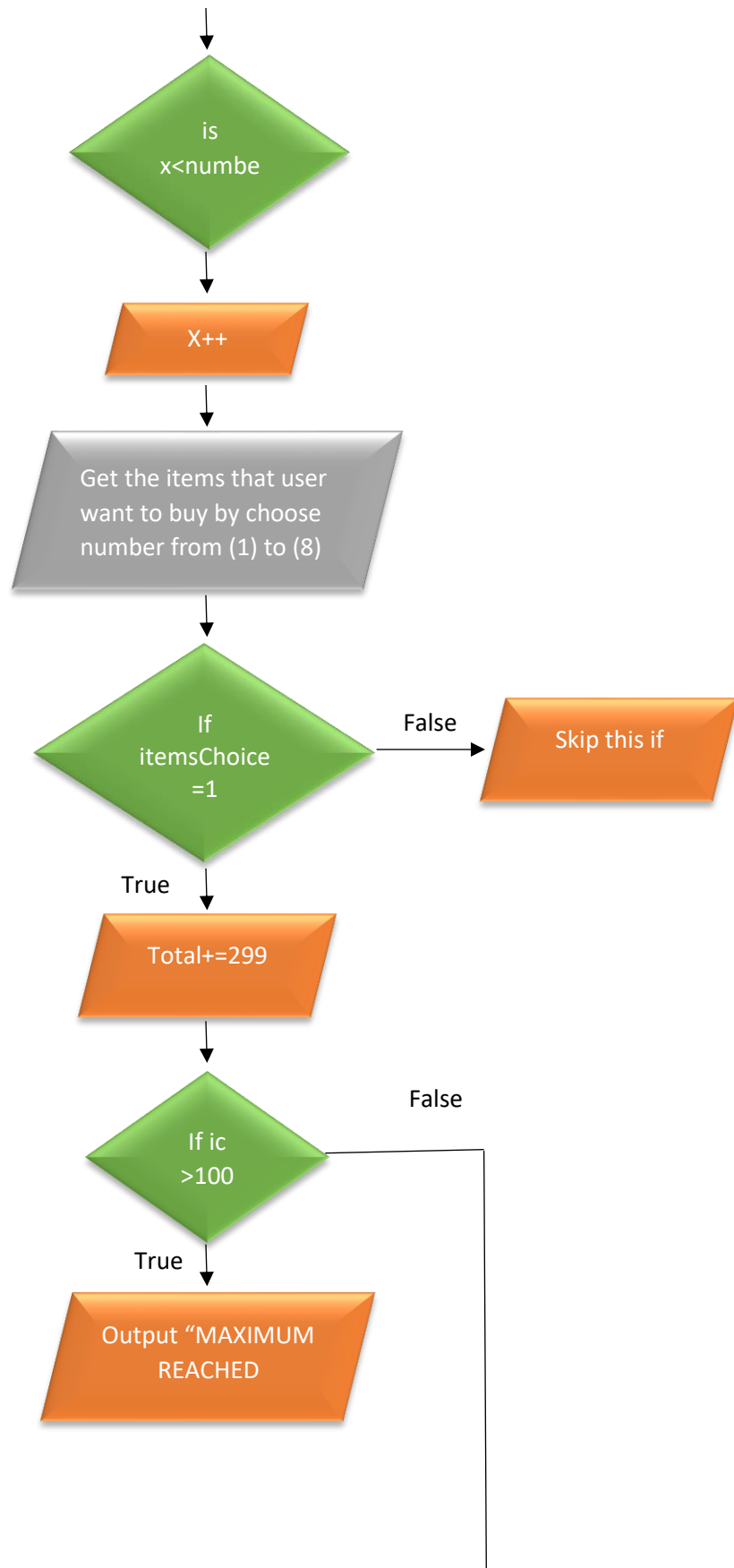
Function 'items'

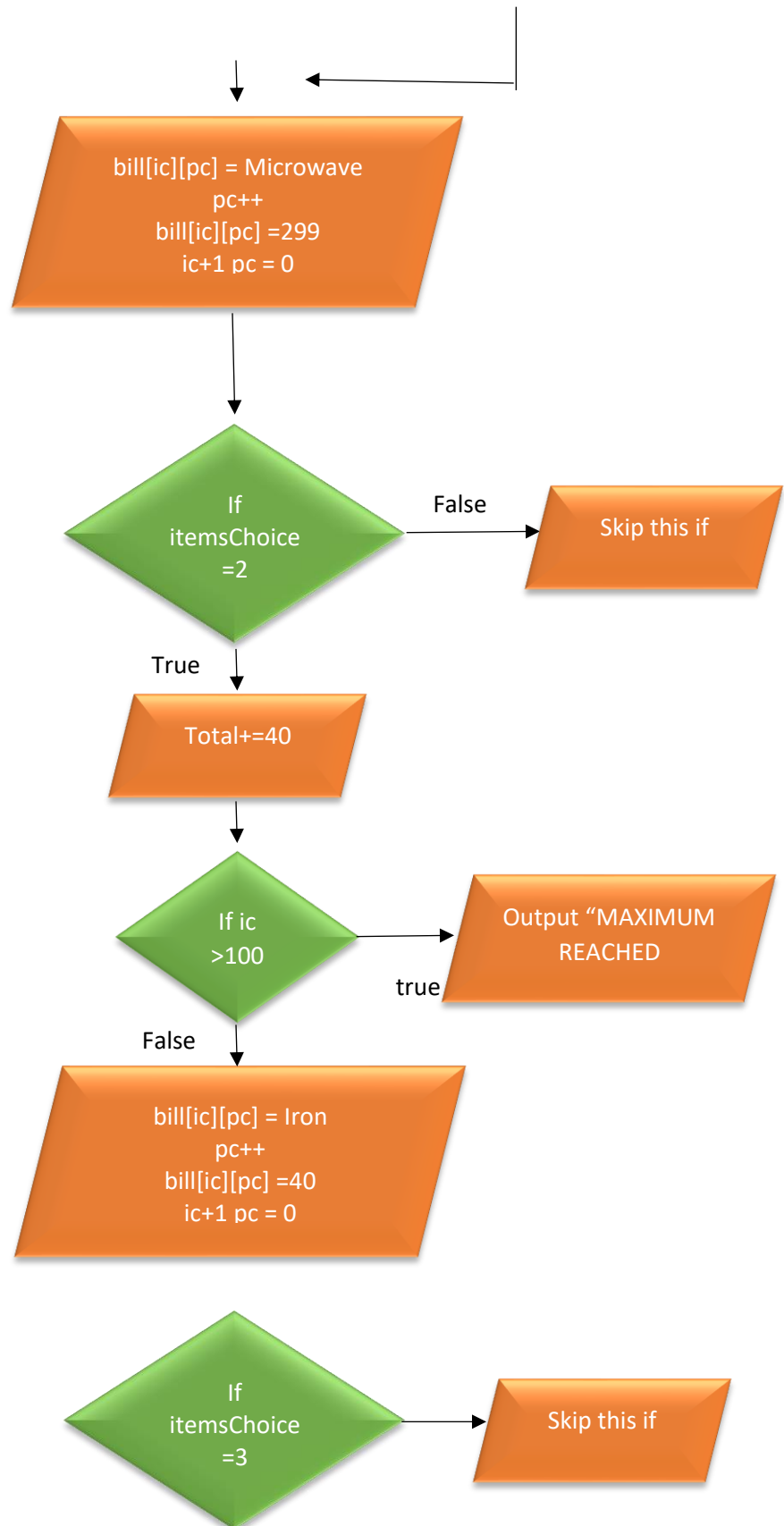


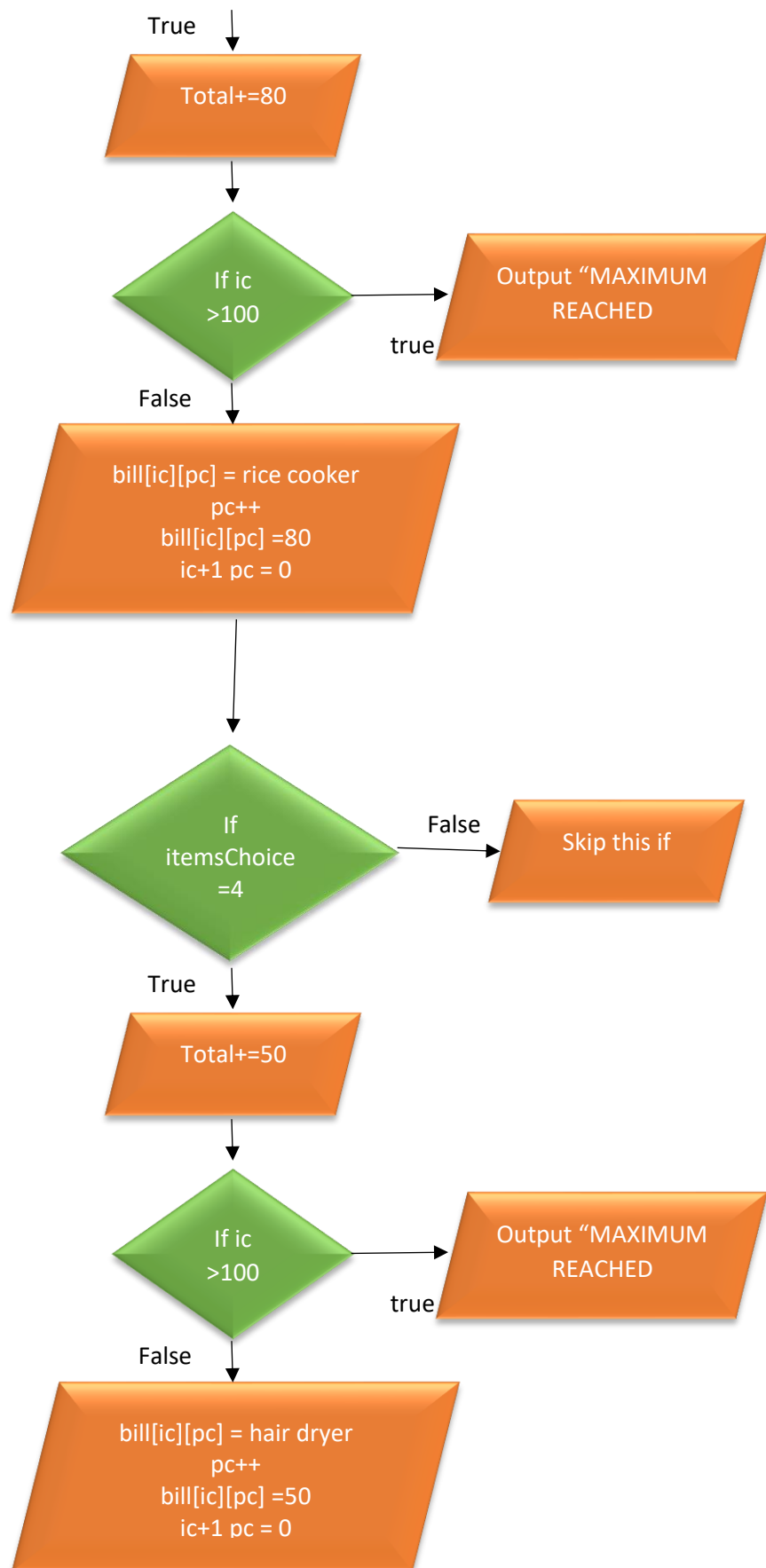


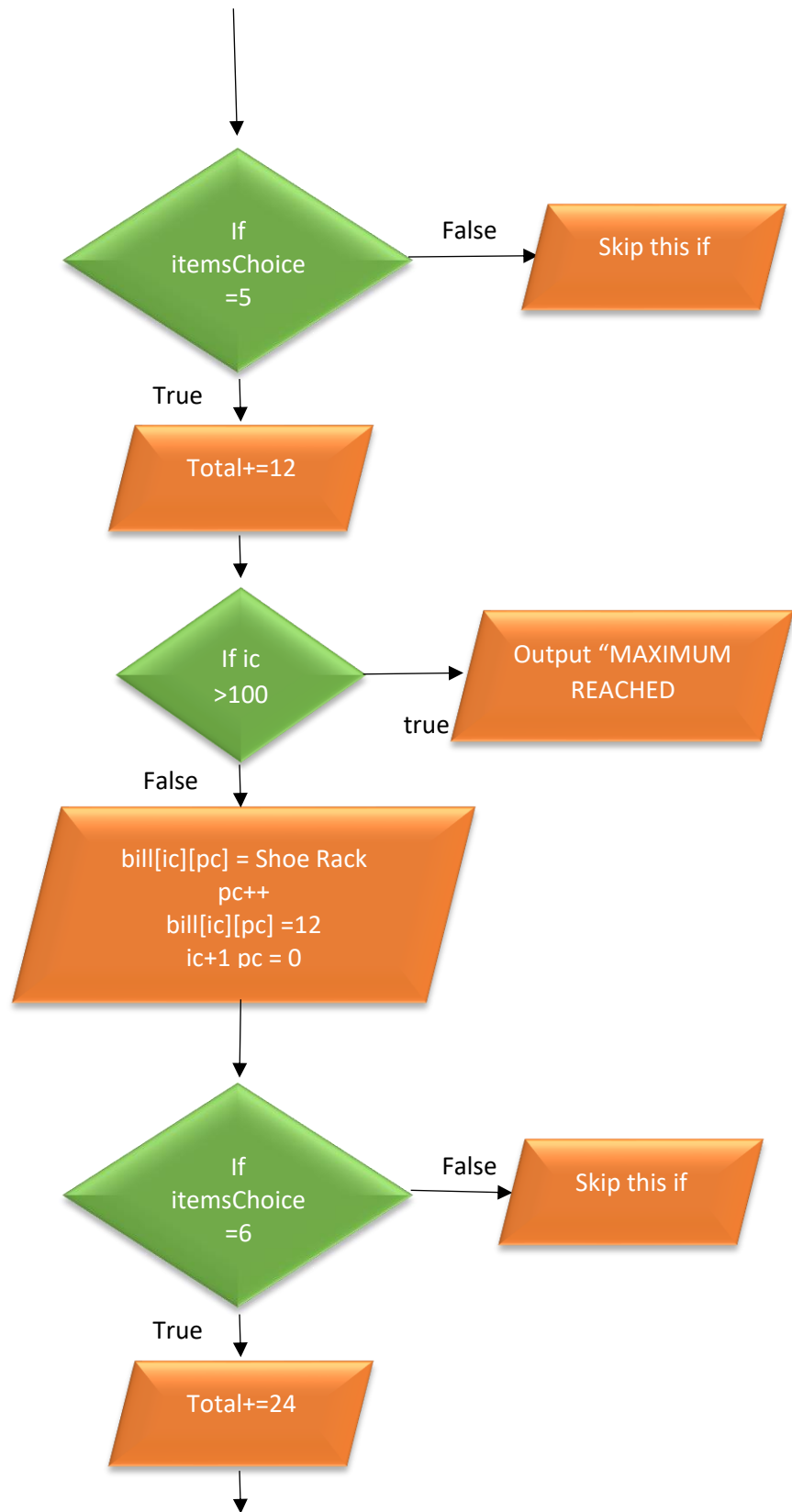
Function 'customer'

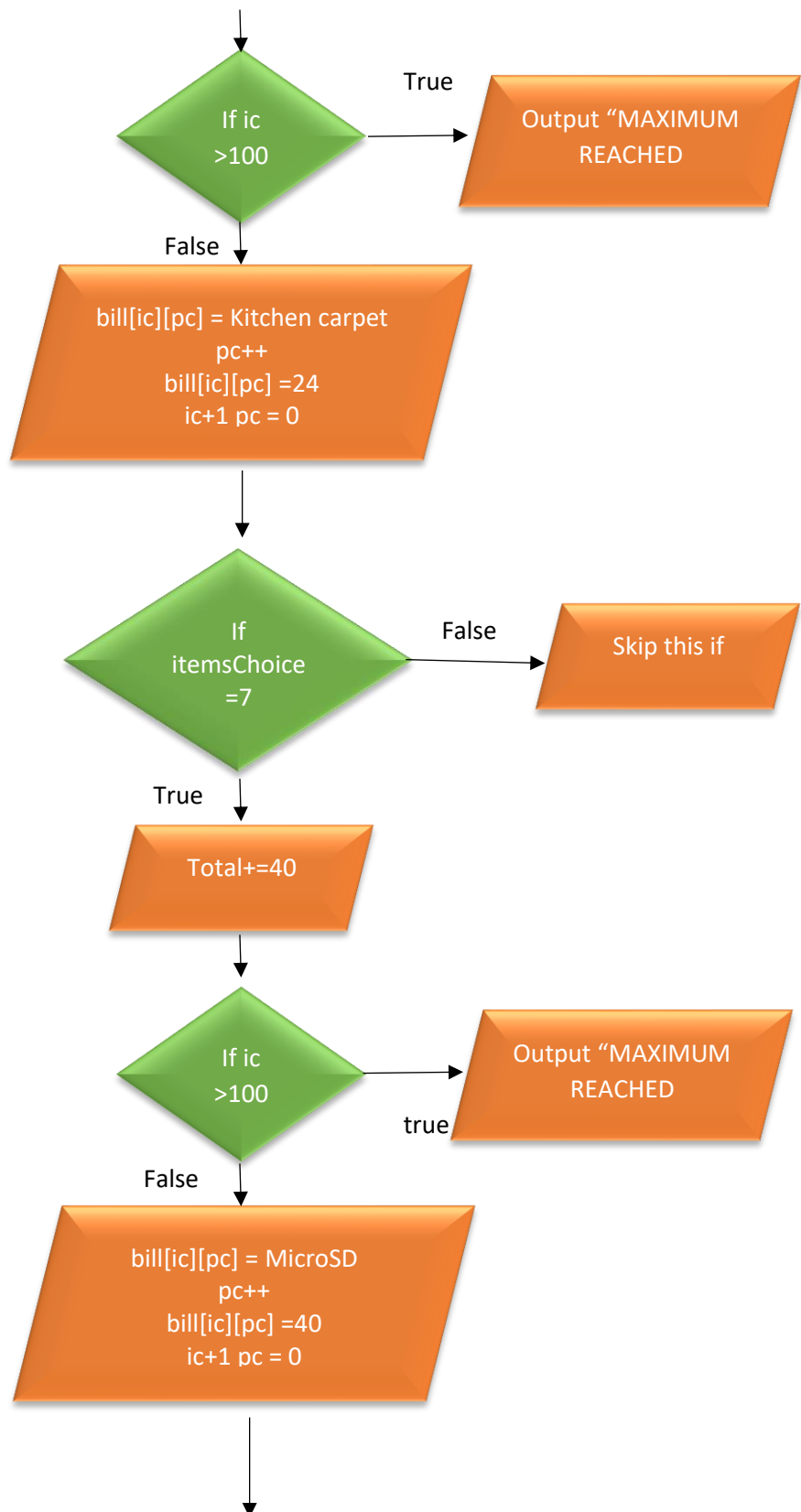


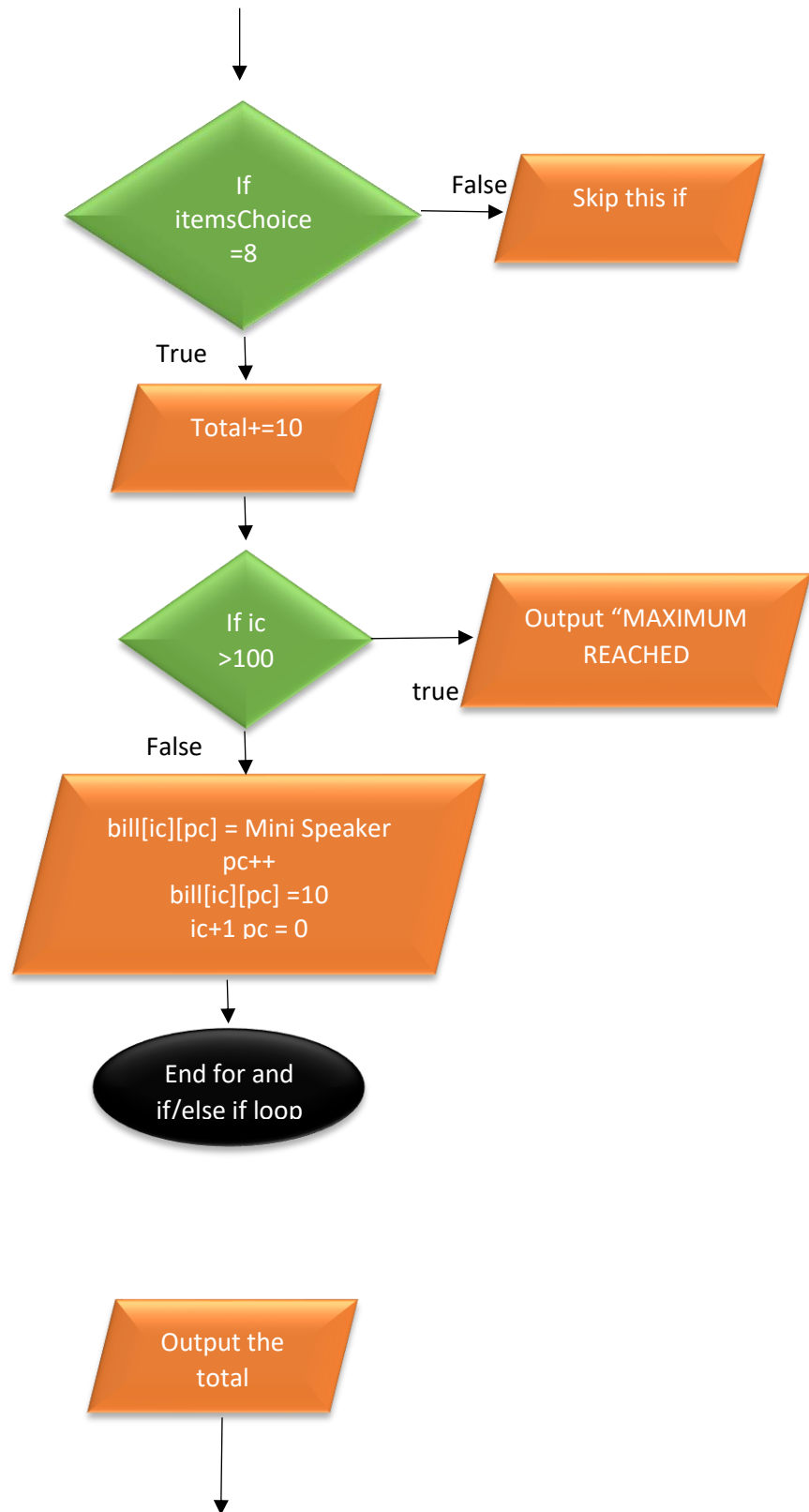


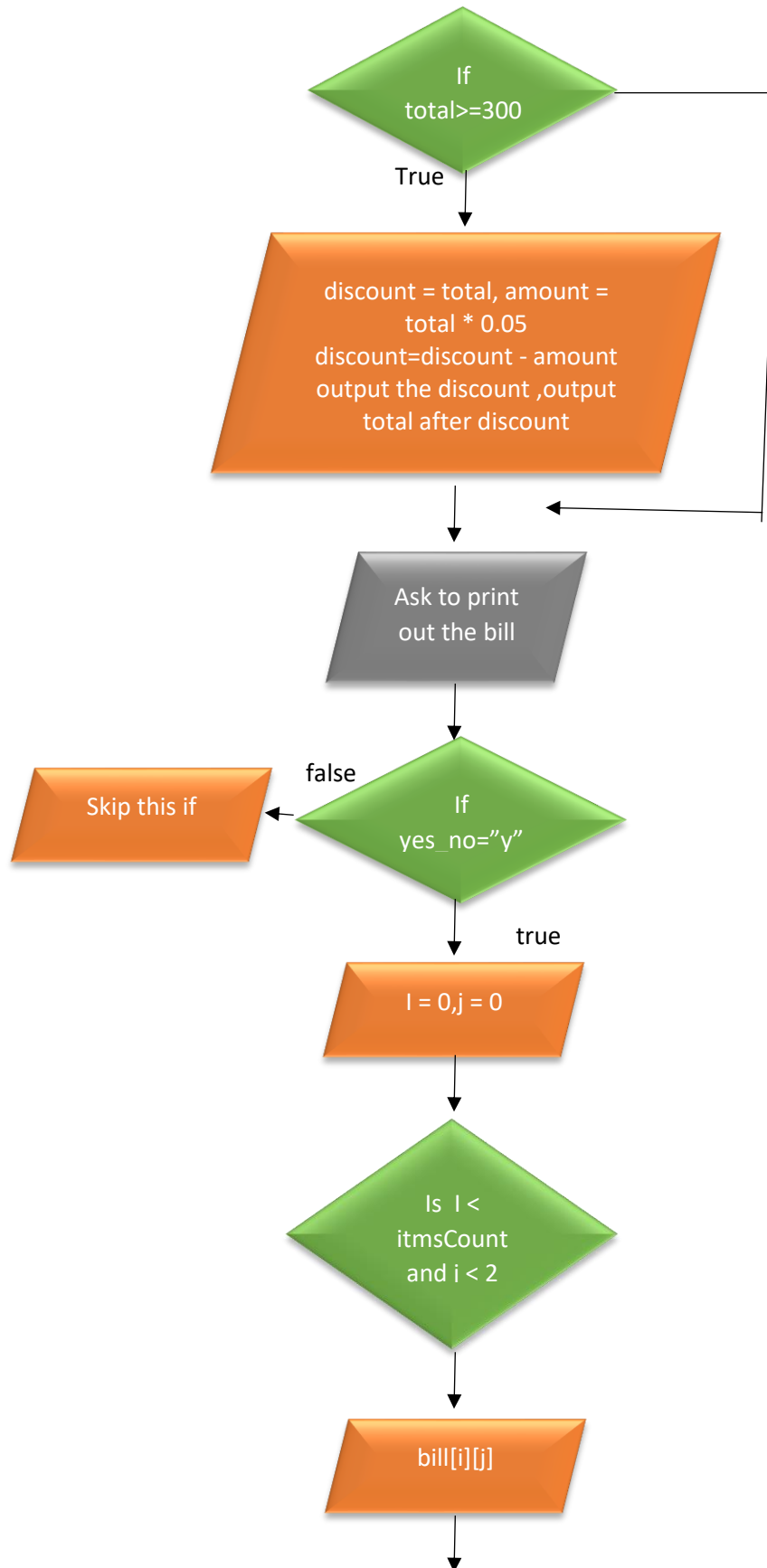


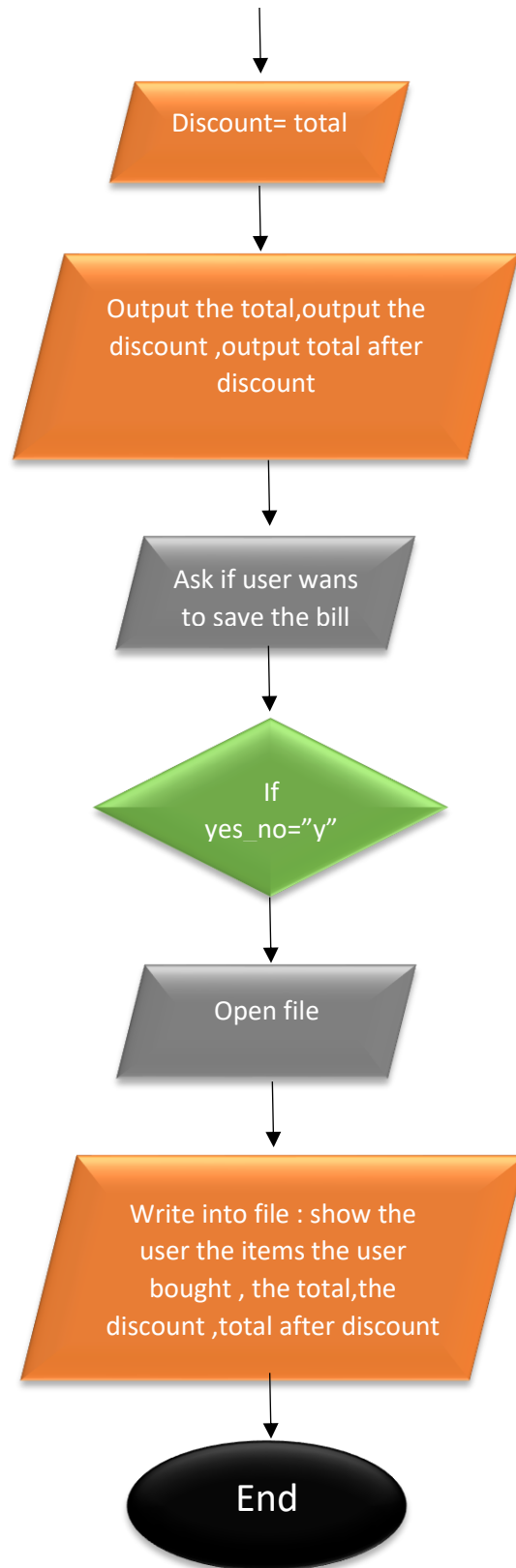




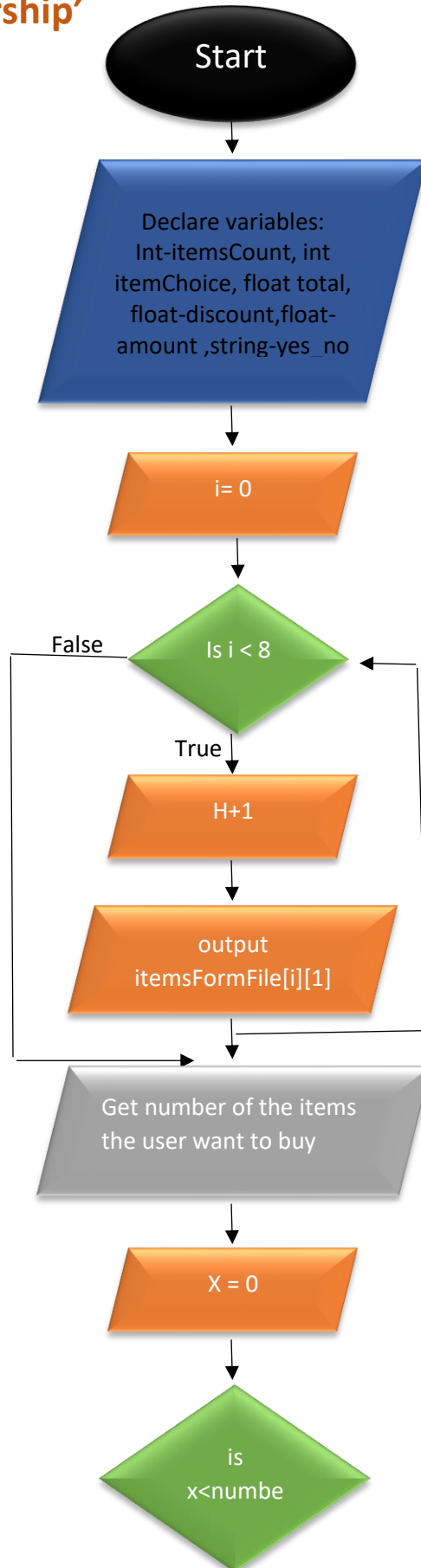


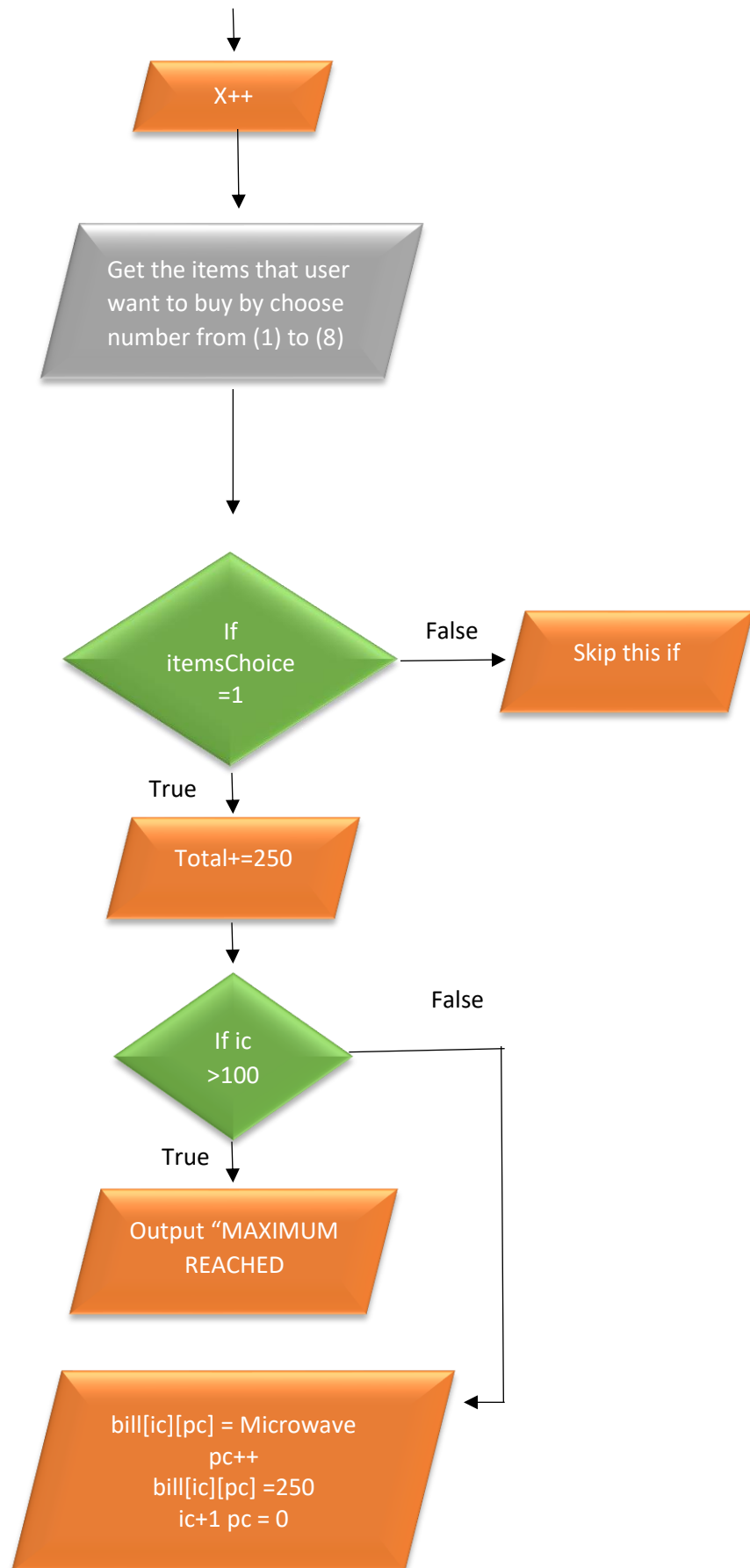


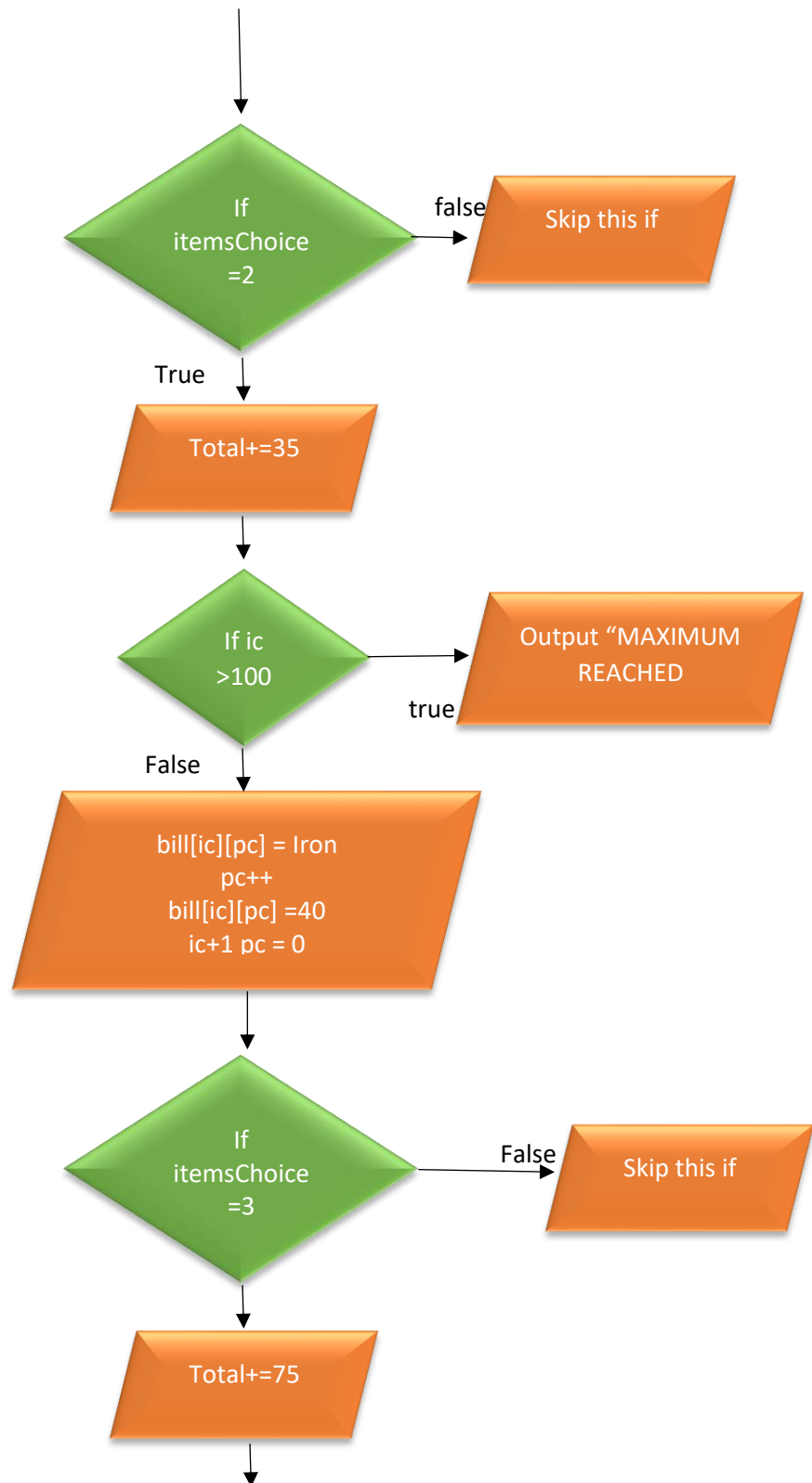


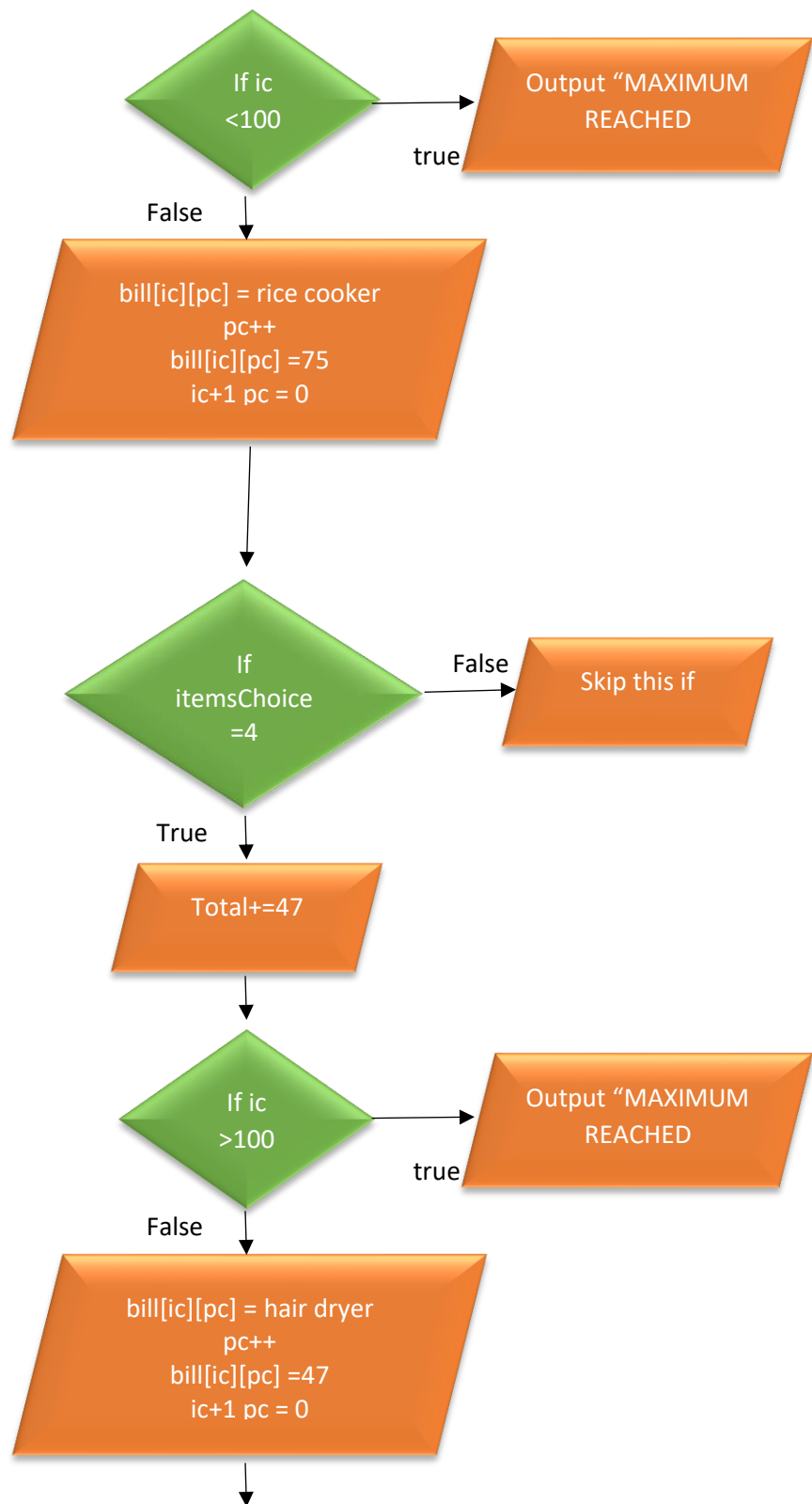


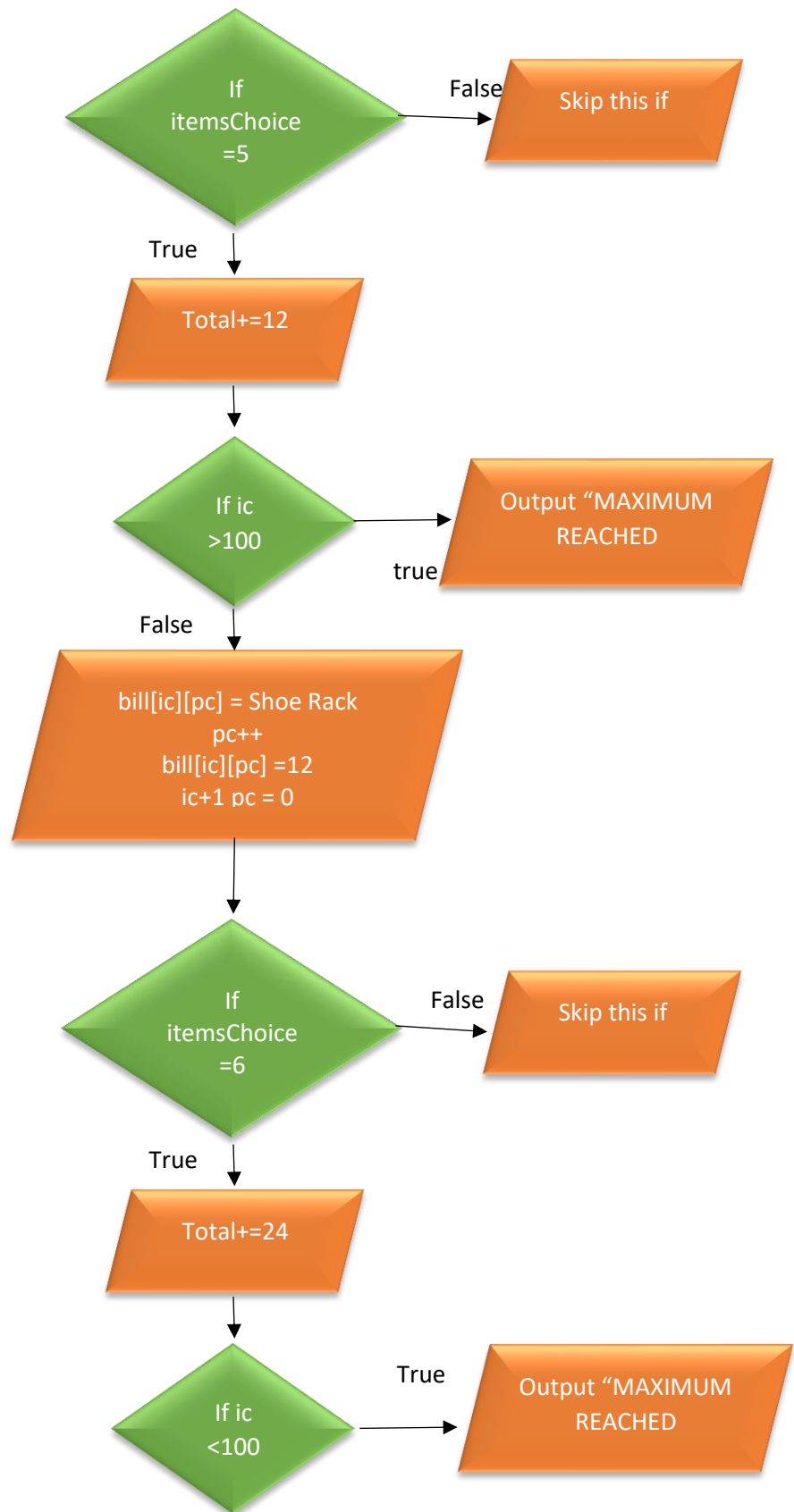
function 'membership'

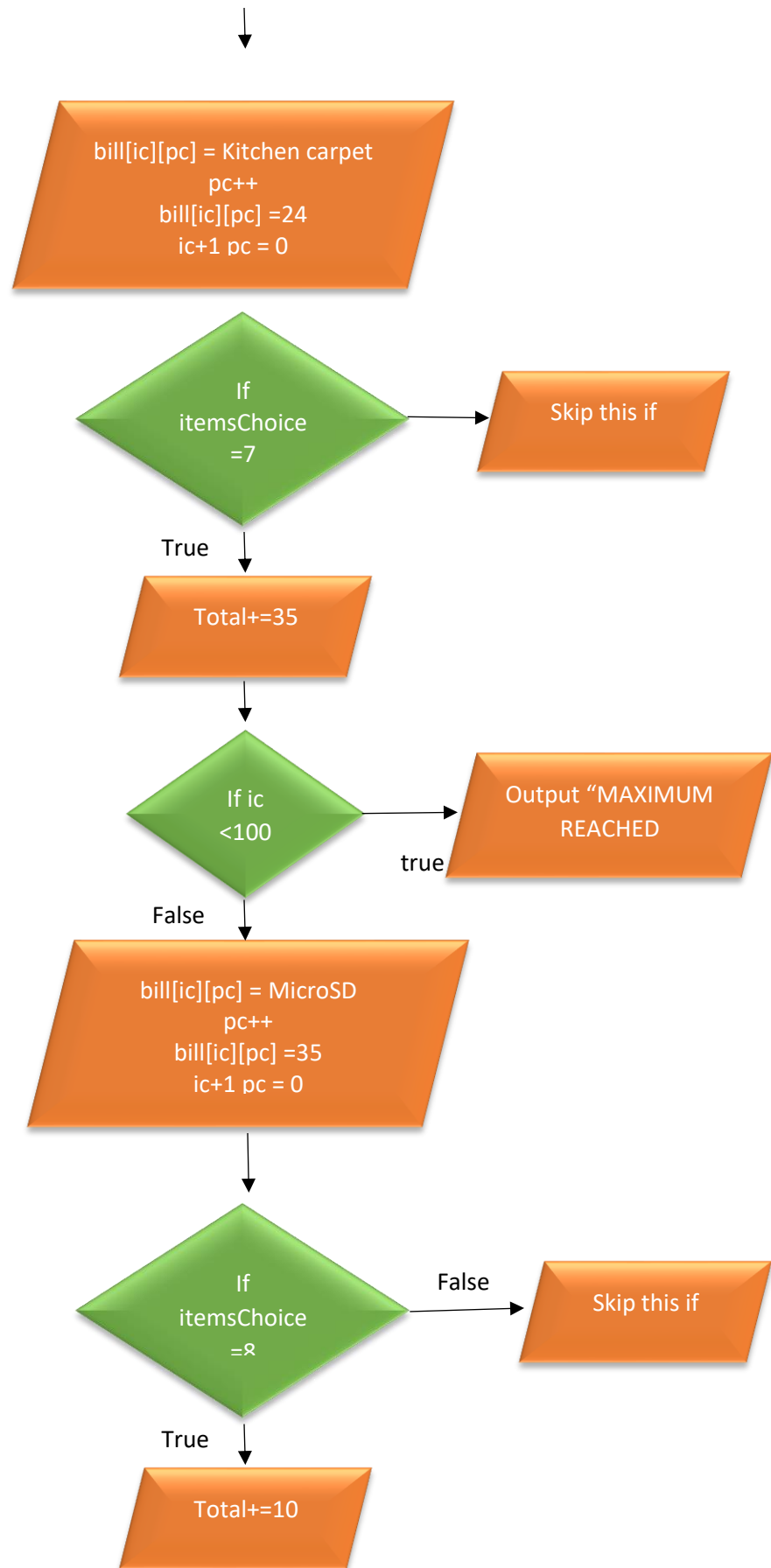


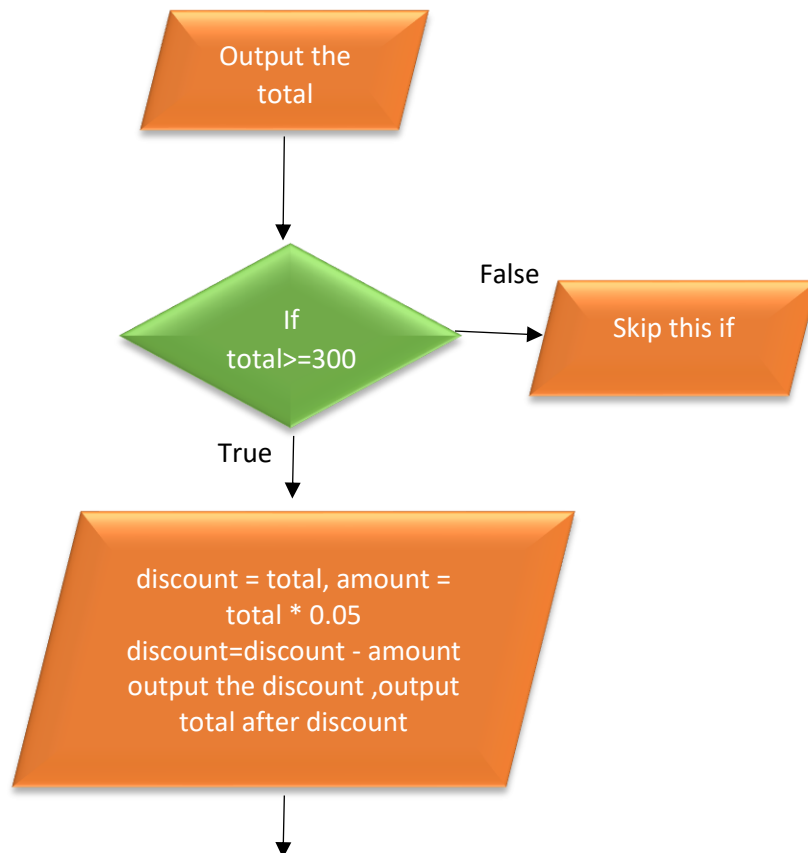
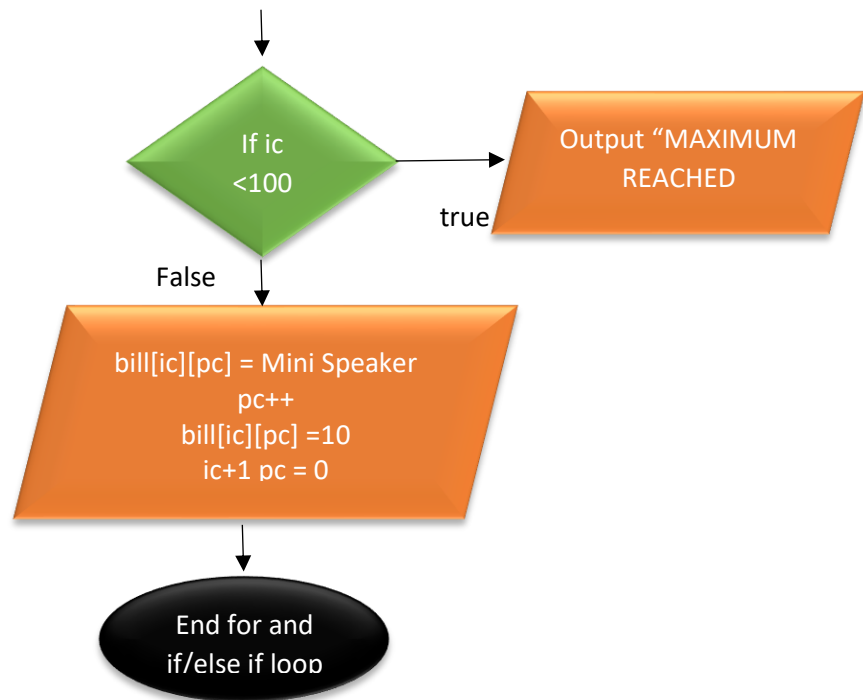


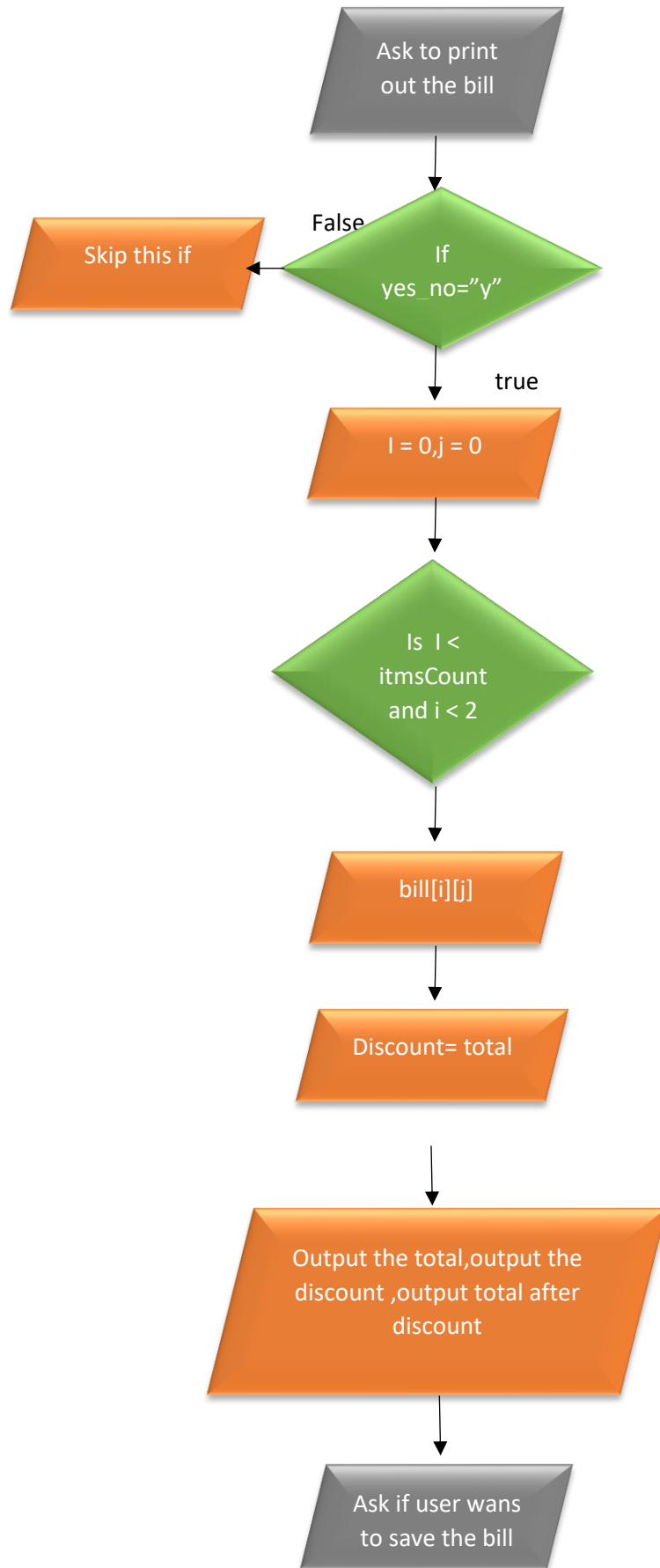


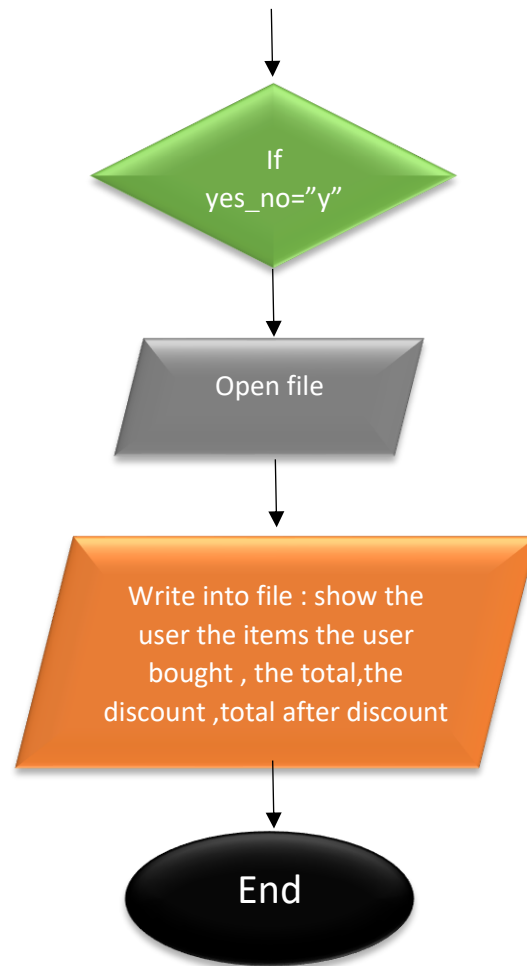




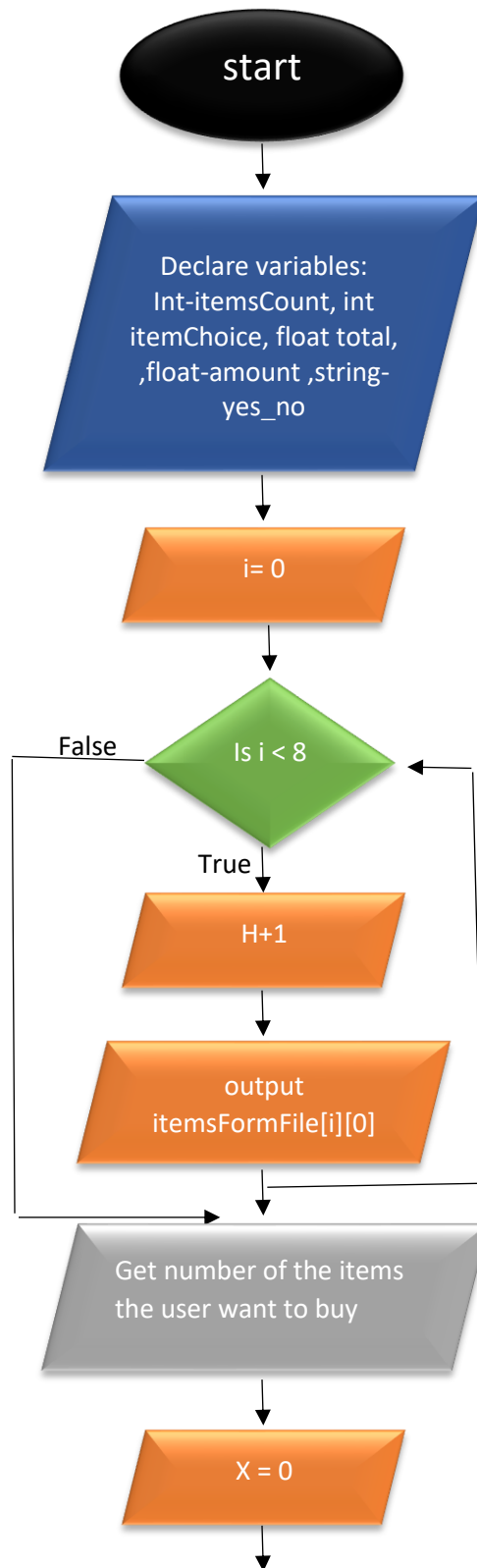


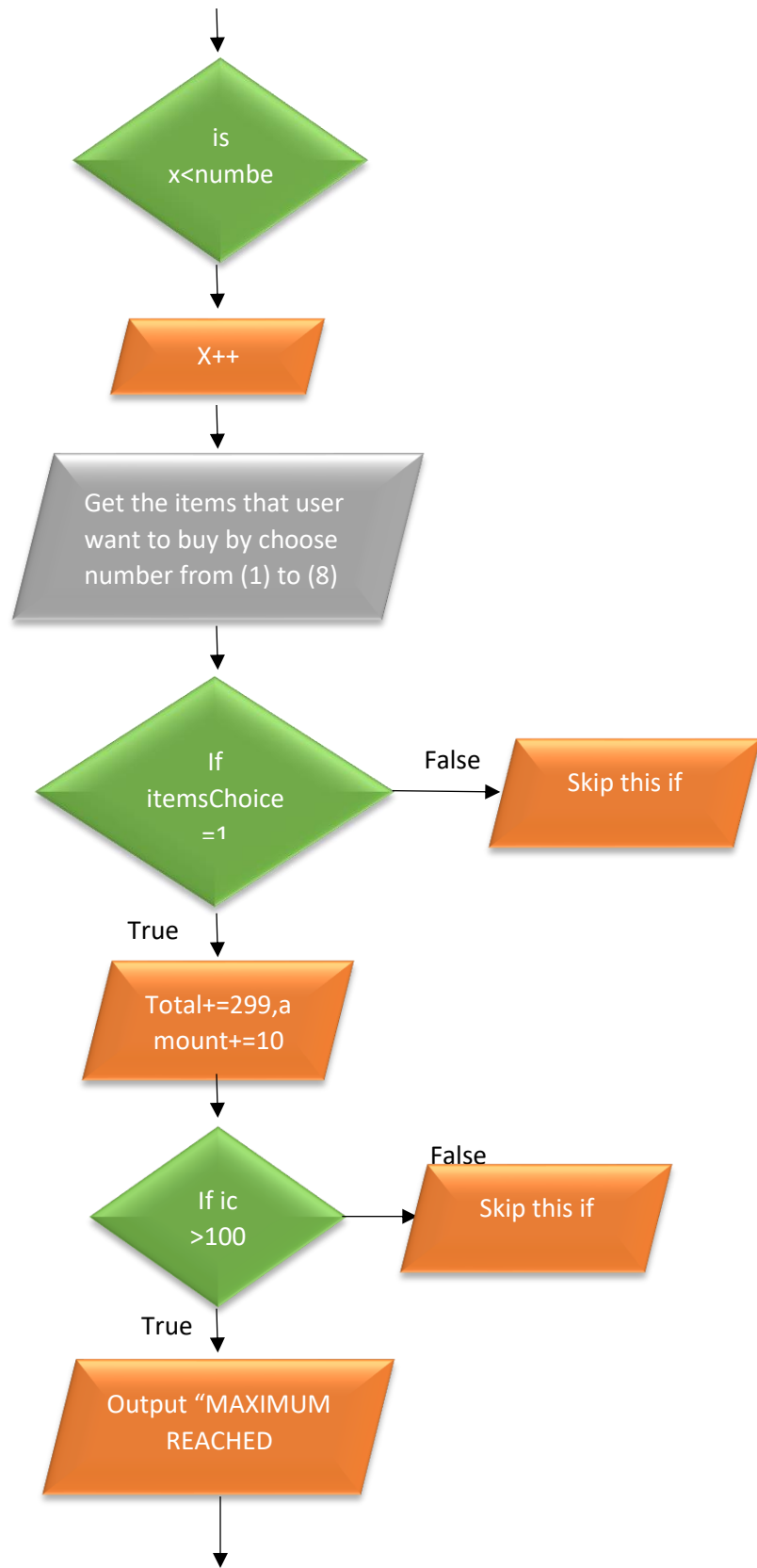


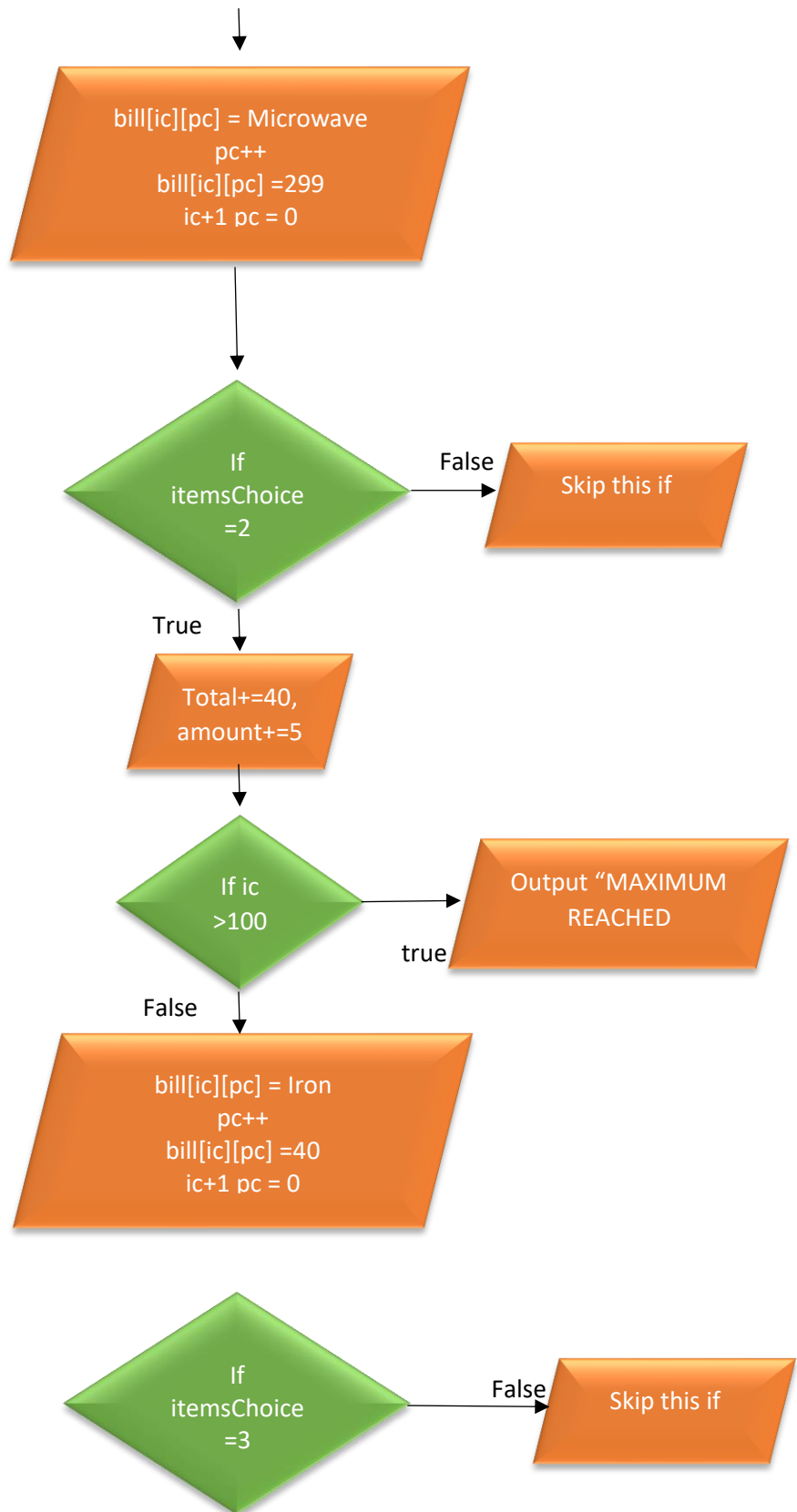


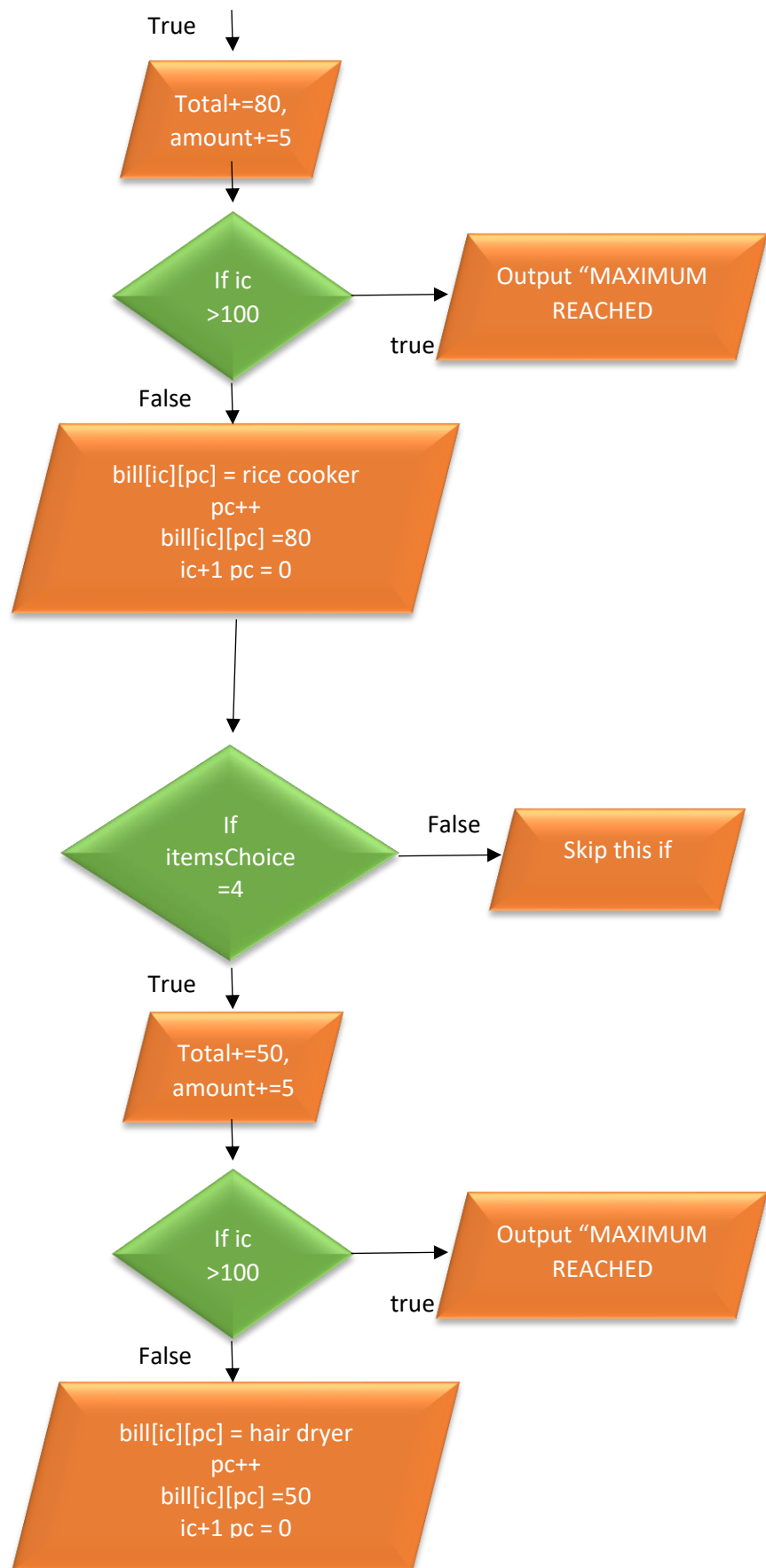


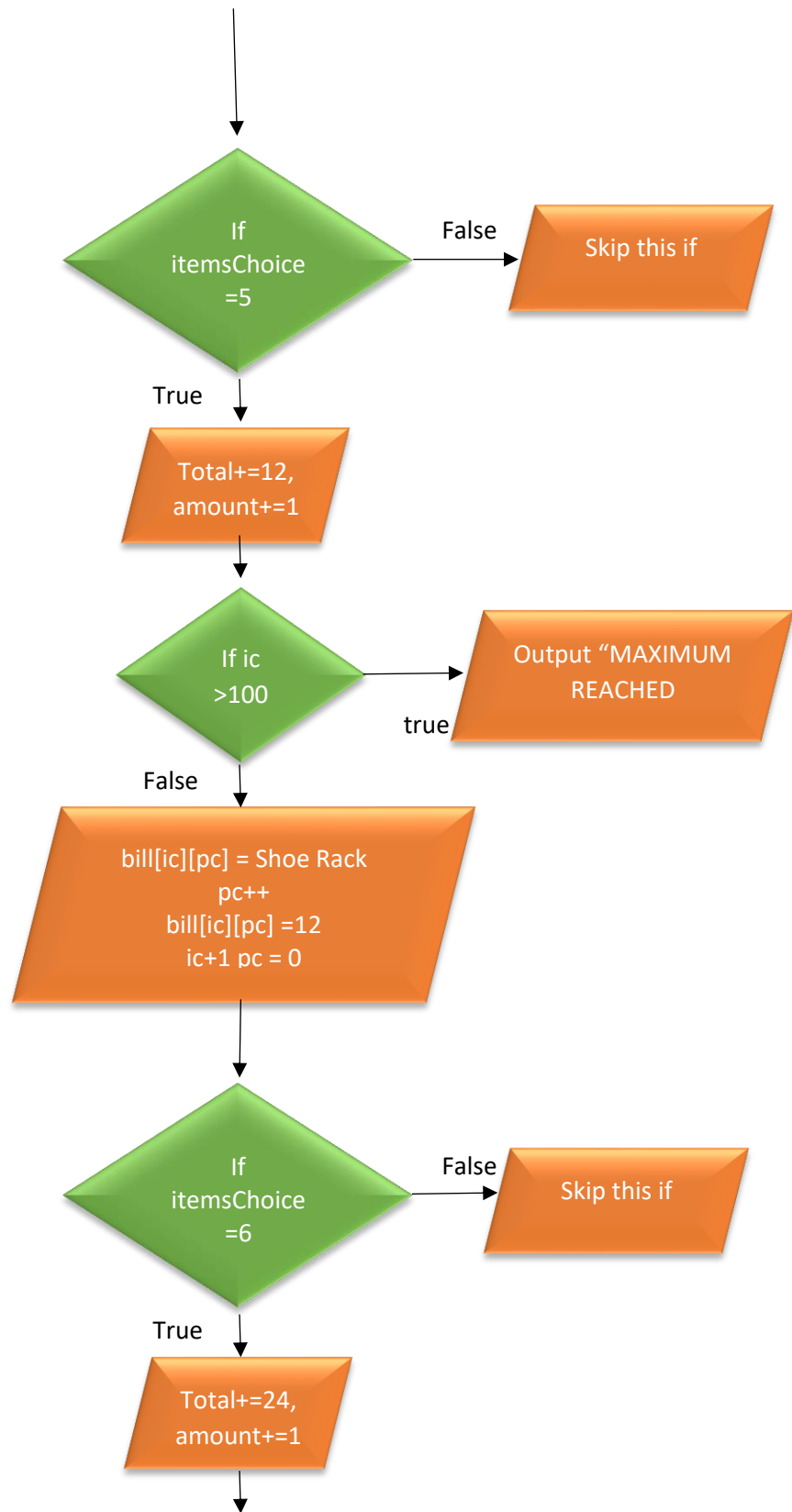
Function 'staff'

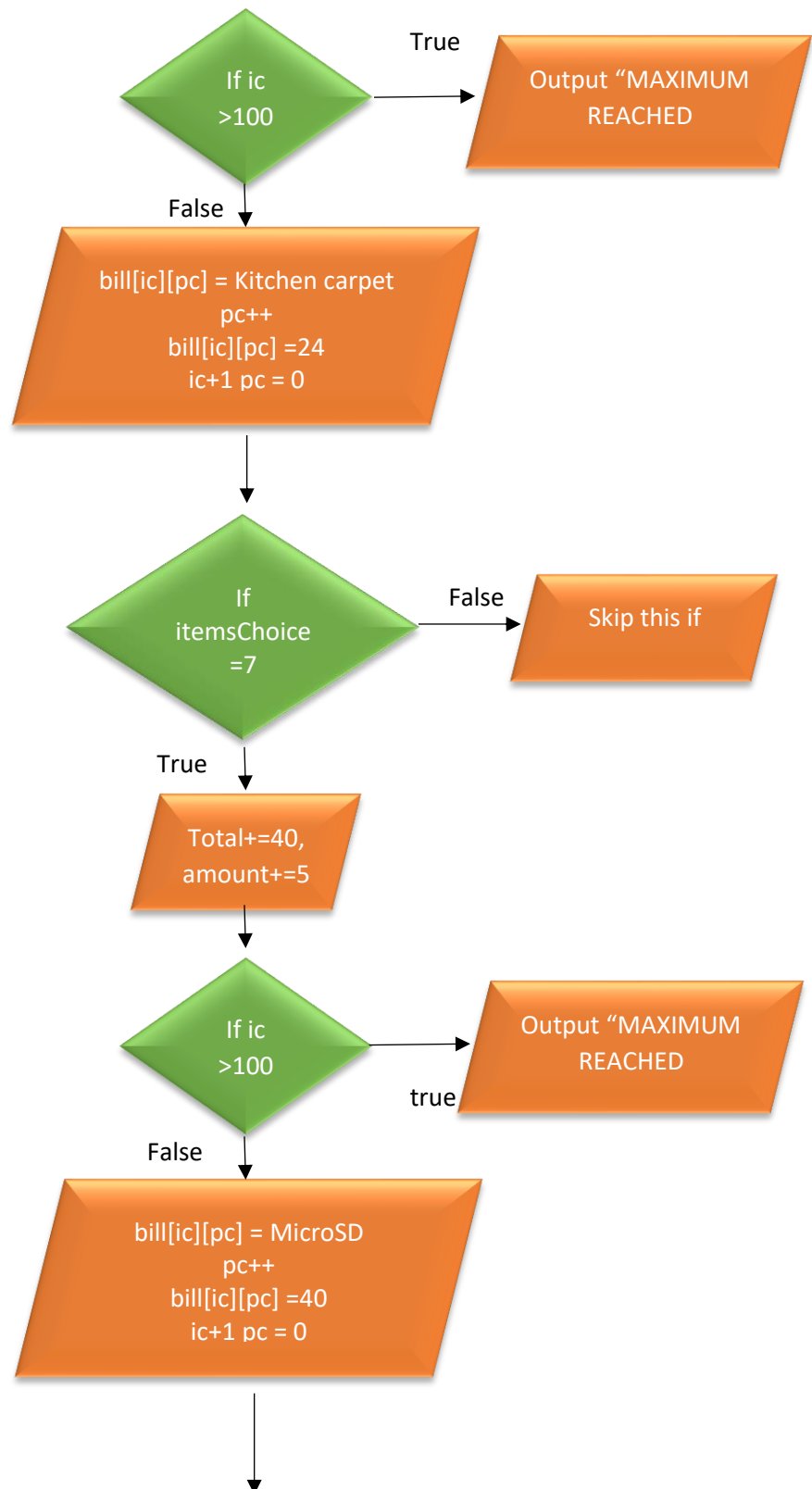


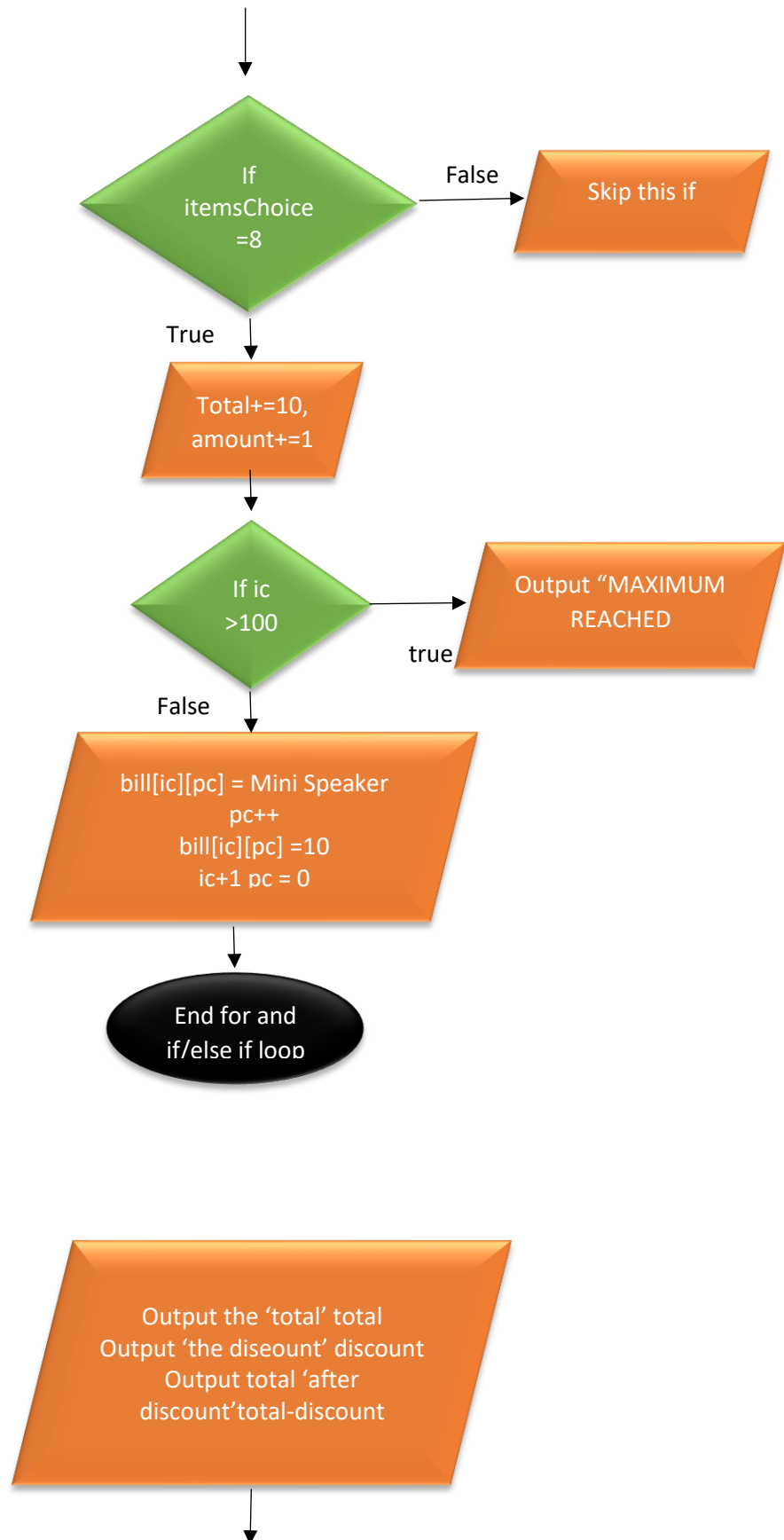


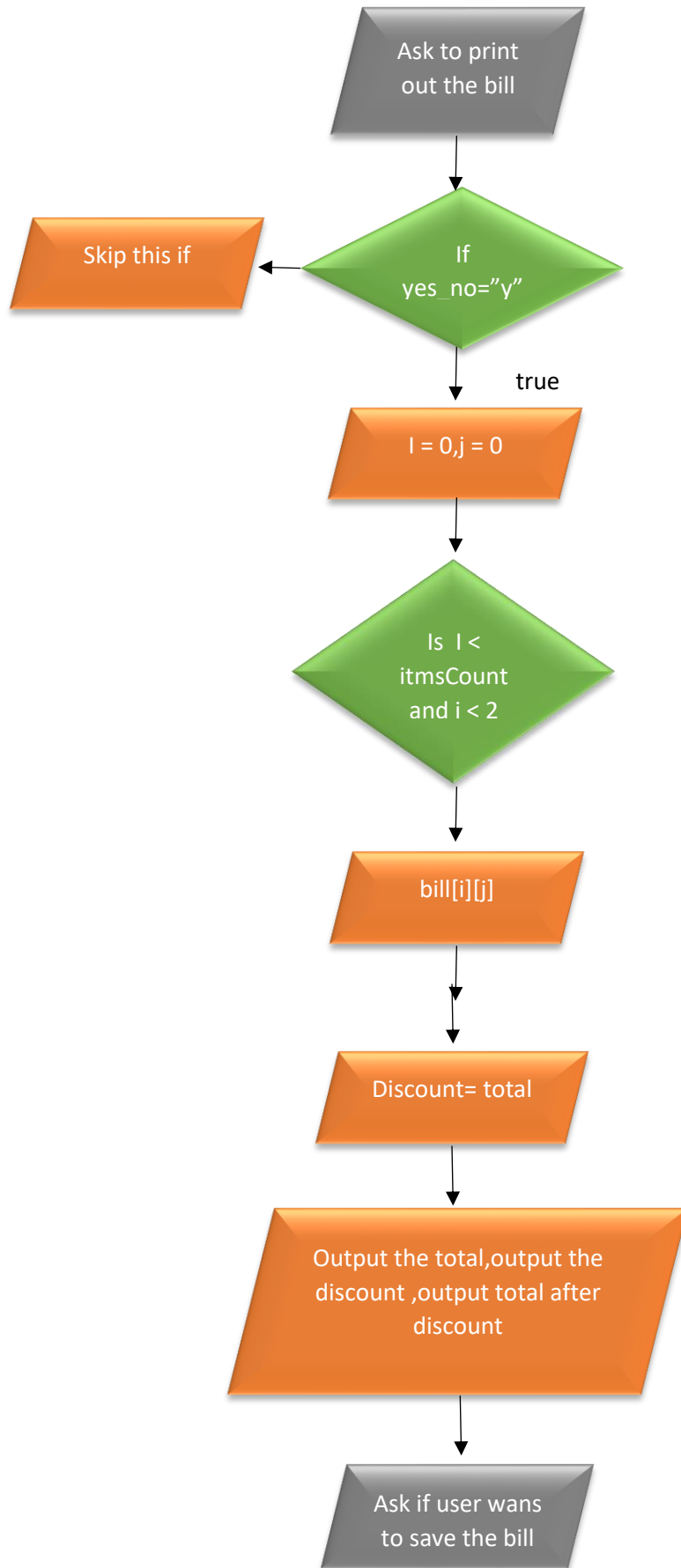


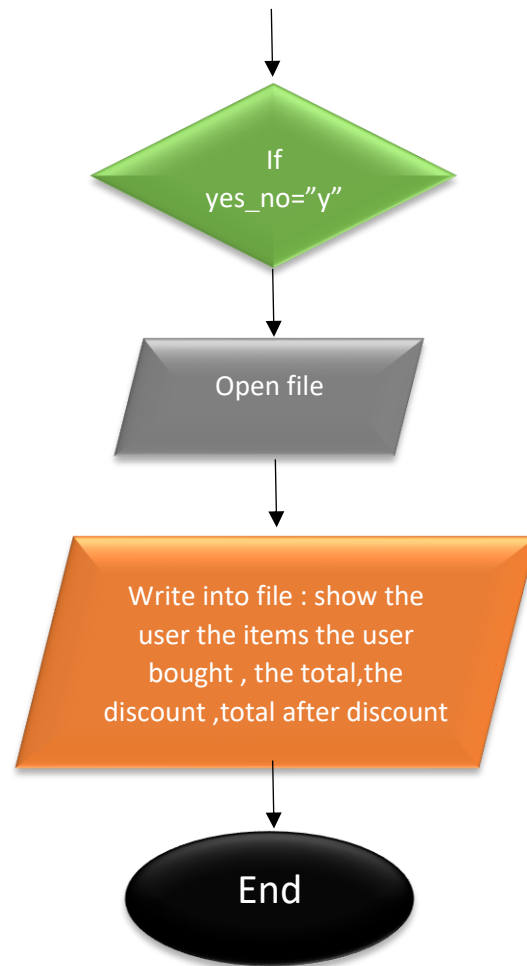












Source code

```
1. #include<iostream>
2. #include<string>
3. #include<fstream>
4. #include <algorithm>
5. #include <sstream>
6. /* Namespaces */
7. using namespace std;
8.
9. /* Function Headers */
10. void customer(); // Customer Function Header
11.
12. void membership(); //Membership Function Header
13.
14. void staff(); //staff Function Header
15.
16. string** items(fstream& file); // Function to show the items from file
17.
18. fstream handle("ass2.txt"); //Definition of file and file name
19. string** itemsFromFile = items(handle);
20. string bill[100][2]; //global array that will show the bill
21. int ic, pc; // Global variables
22. string name; // Globle variable
23.
24. int main() { // main function
25.
26.     //Variables definition
27.     int select;
28.     string memberCode;
29.     string staffCode;
30.     cout << "\t\t\t\t\t*****" << endl;
31.     cout << "\t\t\t\t\tWelcome to our market" << endl;
32.     cout << "\t\t\t\t\t*****" << endl;
33.     cout << "Please dear valuable customer enter your name: "; getline(cin, name);
34.     cout << "Enter [1] If you are customer" << endl;
35.     cout << "Enter [2] If you are member" << endl;
36.     cout << "Enter [3] If you are staff" << endl;
37.     cout << "Input: "; cin >> select;
38.     /* If and else if loop to know the user is customer or member or staff */
39.     if (select == 1) {
40.         customer(); //call customer function
41.     }
42.     else if (select == 2) {
43.
44.         cout << "please enter the member code:" << endl;
45.         cin >> memberCode;
46.         if (memberCode == "member" || memberCode == "MEMBER") { /* The loop is for the
member entered wrong code */
47.             membership(); // call membership function
48.         }
49.         else {
50.             cout << " the code is wrong" << endl;
51.             cout << "please enter the member code again " << endl;
52.             cin >> memberCode;
53.             if ( memberCode== "member" || memberCode == "MEMBER") {
54.                 membership(); // call membership function
```

```

55.     }
56.     else {
57.         cout << " the code is wrong" << endl;
58.         cout << "please enter the member code last time " << endl;
59.         cin >> memberCode;
60.         if (memberCode== "member" || memberCode == "MEMBER") {
61.             membership(); // call membership function
62.         }
63.         else {
64.             /*If member enter the code three times wrong the program will return
n mine function */
65.             cout << "sorry your are not member" << endl;
66.             cout << "/////////////////////////////////////////" <
< endl;
67.             return main();
68.         }
69.     }
70. }
71.
72. }
73.
74. }
75. else if (select == 3) {
76.
77.     cout << "please enter the staff code" << endl;
78.     cin >> staffCode;
79.     if (staffCode == "staff" || staffCode == "STAFF") {
80.         staff(); // call staff function
81.     }
82.     else {
83.         cout << " the code is wrong" << endl;
84.         cout << "please enter the staff code again " << endl;
85.         cin >> staffCode;
86.         if (staffCode == "staff" || staffCode == "STAFF") { /* The if /else if loop
is for the member entered wrong code */
87.             staff();// call staff function
88.         }
89.         else {
90.             cout << " the code is wrong" << endl;
91.             cout << "please enter the staff code last time " << endl;
92.             cin >> staffCode;
93.             if (staffCode == "staff" || staffCode == "STAFF") {
94.                 staff();// call staff function
95.             }
96.             else {
97.                 cout << "sorry your are not staff" << endl;
98.                 cout << "*****" << endl;
99.                 return main();
100.            }
101.        }
102.    }
103.
104. }
105. else {
106.     cout << "FATAL ERROR! Whatever it is you have done. Don't do it again please" <
< endl;
107.     return main();
108. }
109. }
110.
111. string** items(fstream& file) { /*This function to read from file*/

```

```

112.
113.     string content;
114.     string** items = 0;
115.     items = new string * [8];
116.     for (size_t h = 0; h < 8; h++)
117.     {
118.         items[h] = new string[2];
119.     }
120.
121.     int i, k;
122.     i = k = 0;
123.     while (getline(file, content))
124.     {
125.
126.         istringstream iss(content); //enable interoperation between stream buffer
127.         string sub;
128.         while (iss >> sub) // take iss and put it into sub
129.         {
130.             items[i][k] = sub;
131.             k++;
132.         }
133.         k = 0;
134.         i++;
135.     }
136.     return items;
137. }
138.
139.
140. void customer()
141. {
142.     //Variables definition.
143.     int itemCount = 0;
144.     int itemChoice = 0;
145.     float total = 0.0;
146.     float discount = 0.0;
147.     float amount = 0;
148.     for (size_t i = 0; i < 8; i++) /* for loop to show items from file */
149.     {
150.         cout << "[" << i + 1 << "]" << itemsFromFile[i][0];
151.
152.         cout << endl;
153.     }
154.
155.
156.     cout << "how many items that you want to buy" << endl;
157.     cin >> itemCount;
158.     cout << "choose the item by typing number from [1]to[8] " << endl;
159.
160.     ic = pc = 0;
161.     for (int x = 0; x < itemCount; x++) {
162.         cin >> itemChoice;
163.         if (itemChoice == 1) { // if /else if loop for eight items.
164.             total += 299;
165.             cout << " Microwave[299MYR]" << endl;
166.             if (ic > 100) // if loop for bill
167.             {
168.                 cout << "MAXIMUM REACHED";
169.             }
170.             else
171.             {
172.                 /* open bill array and put item name and price*/

```

```

173.         bill[ic][pc] = "Microwave";
174.         pc++;
175.         bill[ic][pc] = "299";
176.         ic++;
177.         pc = 0;
178.     }
179. }
180. else if (itemChoice == 2) {
181.     total += 40;
182.     cout << " Iron[40MYR]" << endl;
183.     if (ic > 100) // if loop for bill
184.     {
185.         cout << "MAXIMUM REACHED";
186.     }
187.     else
188.     {
189.         bill[ic][pc] = "Iron";
190.         pc++;
191.         bill[ic][pc] = "40";
192.         ic++;
193.         pc = 0;
194.     }
195. }
196. else if (itemChoice == 3) {
197.     total += 80;
198.     cout << " Rice Cooker[80MYR]" << endl;
199.     if (ic > 100) // if loop for bill
200.     {
201.         cout << "MAXIMUM REACHED";
202.     }
203.     else
204.     {
205.         /* open bill array and put item name and price*/
206.         bill[ic][pc] = "Rice Cooker";
207.         pc++;
208.         bill[ic][pc] = "80";
209.         ic++;
210.         pc = 0;
211.     }
212. }
213. else if (itemChoice == 4) {
214.     total += 50;
215.     cout << " Hair Dryer[50MYR]" << endl;
216.     if (ic > 100) // if loop for bill
217.     {
218.         cout << "MAXIMUM REACHED";
219.     }
220.     else
221.     {
222.         /* open bill array and put item name and price*/
223.         bill[ic][pc] = "Hair Dryer";
224.         pc++;
225.         bill[ic][pc] = "50";
226.         ic++;
227.         pc = 0;
228.     }
229. }
230. else if (itemChoice == 5) {
231.     total += 12;
232.     cout << " Shoe Rack[12MYR] " << endl;
233.     if (ic > 100) // if loop for bill

```



```

234.         {
235.             cout << "MAXIMUM REACHED";
236.         }
237.         else
238.         {
239.             /* open bill array and put item name and price*/
240.             bill[ic][pc] = "Shoe Rack";
241.             pc++;
242.             bill[ic][pc] = "12";
243.             ic++;
244.             pc = 0;
245.         }
246.     }
247.     else if (itemChoice == 6) {
248.         total += 24;
249.         cout << " KitchenCarpet[24MYR]" << endl;
250.         if (ic > 100)// if loop for bill
251.         {
252.             cout << "MAXIMUM REACHED";
253.         }
254.         else
255.         {
256.             /* open bill array and put item name and price*/
257.             bill[ic][pc] = "Kitchen carpet";
258.             pc++;
259.             bill[ic][pc] = "24";
260.             ic++;
261.             pc = 0;
262.         }
263.     }
264.     else if (itemChoice == 7) {
265.         total += 40;
266.         cout << "MicroSD=40" << endl;
267.         if (ic > 100) // if loop for bill
268.         {
269.             cout << "MAXIMUM REACHED";
270.         }
271.         else
272.         {
273.             /* open bill array and put item name and price*/
274.             bill[ic][pc] = "MicroSD";
275.             pc++;
276.             bill[ic][pc] = "40";
277.             ic++;
278.             pc = 0;
279.         }
280.     }
281.     else if (itemChoice == 8) {
282.         total += 10;
283.         cout << "Mini Speaker=10" << endl;
284.         if (ic > 100)// if loop for bill
285.         {
286.             cout << "MAXIMUM REACHED";
287.         }
288.         else
289.         {
290.             /* open bill array and put item name and price*/
291.             bill[ic][pc] = "Mini Speaker";
292.             pc++;
293.             bill[ic][pc] = "10";
294.             ic++;

```

```

295.         pc = 0;
296.     }
297.
298.     }
299.
300.
301. }
302. cout << "-----" << endl;
303. cout << "the total =" << total << "]" << endl; // total.
304.
305.
306. if (total >= 300) {
307.     discount = total;
308.     amount =total * 0.05;
309.     discount -= amount ;
310.     cout << "the discount =" << amount << "]" << endl;// the discount.
311.
312.     cout << "the total after discount =[ " << discount << "]" << endl; // total af
313.     }
314.
315.     string yes_no;
316.     cout << "Would you like to print out your bill? [y/n]? "; cin >> yes_no;
317.     /* Transform to lowercase */
318.     transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
319.     if (yes_no == "y") //If user entered y the bill will be printed.
320.     {
321.         for (size_t i = 0; i < itemsCount; i++)
322.         {
323.             for (size_t j = 0; j < 2; j++)
324.             {
325.                 if (j == 0)
326.                 {
327.                     cout << i + 1 << "- " << bill[i][j];
328.                 }
329.                 else
330.                 {
331.                     cout << "\t\tRM" << bill[i][j];
332.                 }
333.             }
334.             cout << endl;
335.         }
336.     }
337.     cout << "-----"
338.     discount = total;
339.     cout << "Total: \t\t\tRM" << total << endl;
340.     cout << "the discount: \t\t\tRM" << amount << endl;
341.     cout << "Total after discount: RM" << discount -amount << endl;
342.     cout << "Would you like to save your bill in file? [y/n]"; cin >> yes_no;
343.     /* Transform to lowercase */
344.     transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
345.     if (yes_no == "y") // this if to print out the bill into file.
346.     {
347.         ofstream file("bill.txt");
348.         if (file.is_open())
349.         {
350.             file << "A bill for: " << name << endl;
351.             for (size_t i = 0; i < itemsCount; i++)
352.             {
353.                 for (size_t j = 0; j < 2; j++)

```

```

354.         {
355.             if (j == 0)
356.             {
357.                 file << i + 1 << "- " << bill[i][j];
358.             }
359.             else
360.             {
361.                 file << "\t\tRM" << bill[i][j];
362.             }
363.
364.         }
365.
366.         file << endl;
367.     }
368.     file << "-----"
-----" << endl;
369.     file << "Total: \t\t\tRM" << total << endl;
370.     file << "the discount \t\t" << amount << endl;
371.     file << "Total after discount: RM" << discount- discount << endl;
372. }
373. file.close();
374. cout << "Thank you for shopping with us!" << endl;
375.
376. }
377. else
378. {
379.     cout << "Thank you for shopping with us!" << endl;
380. }
381. }
382. else
383. {
384.     cout << "Thank you for shopping with us!" << endl;
385. }
386. }
387.
388. void membership()
389. {
390.     //Variables definition
391.     int itemsCount = 0;
392.     int itemChoice = 0;
393.     float total = 0.0;
394.     float discount = 0.0;
395.     float amount= 0;
396.     for (size_t i = 0; i < 8; i++)/* for loop to show items from file */
397.     {
398.         cout << "["<<i + 1<<"]"<<itemsFromFile[i][1];
399.
400.         cout << endl;
401.     }
402.     cout << "how many items that you want to buy" << endl;
403.     cin >> itemsCount;
404.     cout << "choose the item by typing number from [1]to[8] " << endl;
405.
406.     ic = pc = 0;
407.     for (int x = 0; x < itemsCount; x++) { // if /else if loop for eight items.
408.         cin >> itemChoice;
409.         if (itemChoice == 1) {
410.             total += 250;
411.             cout << " Microwave[250MYR]" << endl;
412.             if (ic > 100)// if loop for bill
413.             {

```

```

414.         cout << "MAXIMUM REACHED";
415.     }
416.     else
417.     {
418.         /* open bill array and put item name and price*/
419.         bill[ic][pc] = "Microwave";
420.         pc++;
421.         bill[ic][pc] = "250";
422.         ic++;
423.         pc = 0;
424.     }
425. }
426. else if (itemChoice == 2) {
427.     total += 35;
428.     cout << " Iron[35MYR]" << endl;
429.     if (ic > 100)// if loop for bill
430.     {
431.         cout << "MAXIMUM REACHED";
432.     }
433.     else
434.     { /* open bill array and put item name and price*/
435.         bill[ic][pc] = "Iron";
436.         pc++;
437.         bill[ic][pc] = "35";
438.         ic++;
439.         pc = 0;
440.     }
441. }
442. else if (itemChoice == 3) {
443.     total += 75;
444.     cout << " Rice Cooker[75MYR]" << endl;
445.     if (ic > 100)// if loop for bill
446.     {
447.         cout << "MAXIMUM REACHED";
448.     }
449.     else
450.     { /* open bill array and put item name and price*/
451.         bill[ic][pc] = "Rice Cooker";
452.         pc++;
453.         bill[ic][pc] = "75";
454.         ic++;
455.         pc = 0;
456.     }
457. }
458. else if (itemChoice == 4) {
459.     total += 47;
460.     cout << " Hair Dryer[47MYR]" << endl;
461.     if (ic > 100)// if loop for bill
462.     {
463.         cout << "MAXIMUM REACHED";
464.     }
465.     else
466.     { /* open bill array and put item name and price*/
467.         bill[ic][pc] = "Hair Dryer";
468.         pc++;
469.         bill[ic][pc] = "47";
470.         ic++;
471.         pc = 0;
472.     }
473. }
474. }

```

```

475.     else if (itemChoice == 5) {
476.         total += 12;
477.         cout << " Shoe Rack[12MYR] " << endl;
478.         if (ic > 100)// if loop for bill
479.         {
480.             cout << "MAXIMUM REACHED";
481.         }
482.         else
483.         { /* open bill array and put item name and price*/
484.             bill[ic][pc] = "Shoe Rack";
485.             pc++;
486.             bill[ic][pc] = "12";
487.             ic++;
488.             pc = 0;
489.         }
490.     }
491.     else if (itemChoice == 6) {
492.         total += 24;
493.         cout << " KitchenCarpet[24MYR]" << endl;
494.         if (ic > 100)// if loop for bill
495.         {
496.             cout << "MAXIMUM REACHED";
497.         }
498.         else
499.         { /* open bill array and put item name and price*/
500.             bill[ic][pc] = "KitchenCarpet";
501.             pc++;
502.             bill[ic][pc] = "24";
503.             ic++;
504.             pc = 0;
505.         }
506.     }
507.     else if (itemChoice == 7) {
508.         total += 35;
509.         cout << "MicroSD[35]" << endl;
510.         if (ic > 100)// if loop for bill
511.         {
512.             cout << "MAXIMUM REACHED";
513.         }
514.         else
515.         { /* open bill array and put item name and price*/
516.             bill[ic][pc] = "MicroSD";
517.             pc++;
518.             bill[ic][pc] = "35";
519.             ic++;
520.             pc = 0;
521.         }
522.     }
523.     else if (itemChoice == 8) {
524.         total += 10;
525.         cout << "Mini Speaker[10]" << endl;
526.         if (ic > 100)// if loop for bill
527.         {
528.             cout << "MAXIMUM REACHED";
529.         }
530.         else
531.         { /* open bill array and put item name and price*/
532.             bill[ic][pc] = "Mini Speaker";
533.             pc++;
534.             bill[ic][pc] = "10";
535.             ic++;

```

```

536.         pc = 0;
537.     }
538. }
539.
540.
541. }
542. cout << "-----" << endl;
543. cout << "The total =[" << total << "]" << endl;
544.
545.
546. if (total >= 300) {
547.     discount = total;
548.     amount = total * 0.05;
549.     discount -= amount;
550.     cout << "the discount =[" << amount << "]" << endl; // the discount.
551.
552.     cout << "the total after discount =[" << discount << "]" << endl; // total af
    ter discount.
553. }
554. string yes_no;
555. cout << "Would you like to print out your bill? [y/n]? "; cin >> yes_no;
556. /* Transform to lowercase */
557. transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
558. if (yes_no == "y") // print out the bill
559. {
560.     for (size_t i = 0; i < itemsCount; i++)
561.     {
562.         for (size_t j = 0; j < 2; j++)
563.         {
564.             if (j == 0)
565.             {
566.                 cout << i + 1 << "- " << bill[i][j];
567.             }
568.             else
569.             {
570.                 cout << "\t\tRM" << bill[i][j];
571.             }
572.         }
573.     }
574.     cout << endl;
575. }
576. cout << "-----"
    -----" << endl;
577. discount = total;
578. cout << "Total: \t\t\tRM" << total << endl;
579. cout << "the discount\t\t" << amount << endl;
580. cout << "Total after discount: RM" << discount-amount << endl;
581. cout << "Would you like to save your bill in file? [y/n]"; cin >> yes_no;
582. transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
583. if (yes_no == "y") // print out the bill into file
584. {
585.     ofstream file("bill.txt");
586.     if (file.is_open())
587.     {
588.         file << "A bill for: " << name << endl;
589.         for (size_t i = 0; i < itemsCount; i++)
590.         {
591.             for (size_t j = 0; j < 2; j++)
592.             {
593.                 if (j == 0)
594.                 {

```

```

595.             file << i + 1 << "- " << bill[i][j];
596.         }
597.         else
598.         {
599.             file << "\t\tRM" << bill[i][j];
600.         }
601.
602.     }
603.
604.     file << endl;
605. }
606.     file << "-----"
-----" << endl;
607.     file << "Total: \t\t\tRM" << total << endl;
608.     file << "the discount\t\t" << amount << endl;
609.     file << "Total after discount: RM" << discount -amount<< endl;
610. }
611. file.close();
612. cout << "Thank you for shopping with us!" << endl;
613.
614. }
615. else
616. {
617.     cout << "Thank you for shopping with us!" << endl;
618. }
619. }
620. else
621. {
622.     cout << "Thank you for shopping with us!" << endl;
623. }
624.}
625.
626.void staff()
627.{
628.    //Variables definition
629.    int itemsCount = 0;
630.    int itemChoice = 0;
631.    float total = 0.0;
632.    float amount = 0.0;
633.
634.
635.    for (size_t i = 0; i < 8; i++)/* for loop to show items from file */
636.    {
637.        cout << "[" << i + 1 << "]" << itemsFromFile[i][0];
638.
639.        cout << endl;
640.    }
641.
642.    cout << "How many items would you like to buy? "; cin >> itemsCount;
643.    cout << "Choose the item by typing number from [1] to [8] " << endl;
644.    for (int x = 0; x < itemsCount; x++) { // if /else if loop for eight items.
645.        cin >> itemChoice;
646.        if (itemChoice == 1) {
647.            total += 299;
648.            cout << " Microwave[299MYR]" << endl;
649.            amount += 10;
650.            if (ic > 100)// if loop for bill
651.            {
652.                cout << "MAXIMUM REACHED";
653.            }
654.        else

```

```

655.         { /* open bill array and put item name and price*/
656.             bill[ic][pc] = "Microwave";
657.             pc++;
658.             bill[ic][pc] = "299";
659.             ic++;
660.             pc = 0;
661.         }
662.     }
663.     else if (itemChoice == 2) {
664.         total += 40;
665.         cout << " Iron[40MYR]" << endl;
666.         amount += 5;
667.         if (ic > 100)// if loop for bill
668.         {
669.             cout << "MAXIMUM REACHED";
670.         }
671.         else
672.         { /* open bill array and put item name and price*/
673.             bill[ic][pc] = "Iron";
674.             pc++;
675.             bill[ic][pc] = "40";
676.             ic++;
677.             pc = 0;
678.         }
679.     }
680. }
681. else if (itemChoice == 3) {
682.     total += 80;
683.     cout << " Rice Cooker[80MYR]" << endl;
684.     amount += 5;
685.     if (ic > 100)// if loop for bill
686.     {
687.         cout << "MAXIMUM REACHED";
688.     }
689.     else
690.     { /* open bill array and put item name and price*/
691.         bill[ic][pc] = "Rice Cooker";
692.         pc++;
693.         bill[ic][pc] = "80";
694.         ic++;
695.         pc = 0;
696.     }
697. }
698. else if (itemChoice == 4) {
699.     total += 50;
700.     cout << " Hair Dryer[50MYR]" << endl;
701.     amount += 5;
702.     if (ic > 100)// if loop for bill
703.     {
704.         cout << "MAXIMUM REACHED";
705.     }
706.     else
707.     { /* open bill array and put item name and price*/
708.         bill[ic][pc] = "Hair Dryer";
709.         pc++;
710.         bill[ic][pc] = "50";
711.         ic++;
712.         pc = 0;
713.     }
714. }
715. else if (itemChoice == 5) {

```



```

716.         total += 12;
717.         cout << " Shoe Rack[12MYR] " << endl;
718.         amount += 1;
719.         if (ic > 100)// if loop for bill
720.         {
721.             cout << "MAXIMUM REACHED";
722.         }
723.         else
724.         { /* open bill array and put item name and price*/
725.             bill[ic][pc] = "Shoe Rack";
726.             pc++;
727.             bill[ic][pc] = "12";
728.             ic++;
729.             pc = 0;
730.         }
731.     }
732.     else if (itemChoice == 6) {
733.         total += 24;
734.         cout << " KitchenCarpet[24MYR]" << endl;
735.         amount += 1;
736.         if (ic > 100)// if loop for bill
737.         {
738.             cout << "MAXIMUM REACHED";
739.         }
740.         else
741.         { /* open bill array and put item name and price*/
742.             bill[ic][pc] = "KitchenCarpet";
743.             pc++;
744.             bill[ic][pc] = "24";
745.             ic++;
746.             pc = 0;
747.         }
748.     }
749.     else if (itemChoice == 7) {
750.         total += 40;
751.         cout << "MicroSD[40]" << endl;
752.         amount += 1;
753.         if (ic > 100)// if loop for bill
754.         {
755.             cout << "MAXIMUM REACHED";
756.         }
757.         else
758.         { /* open bill array and put item name and price*/
759.             bill[ic][pc] = "MicroSD";
760.             pc++;
761.             bill[ic][pc] = "40";
762.             ic++;
763.             pc = 0;
764.         }
765.     }
766.     else if (itemChoice == 8) {
767.         total += 10;
768.         cout << "Mini Speaker[10]" << endl;
769.         amount += 1;
770.         if (ic > 100)// if loop for bill
771.         {
772.             cout << "MAXIMUM REACHED";
773.         }
774.         else
775.         { /* open bill array and put item name and price*/
776.             bill[ic][pc] = "Mini speaker";

```

```

777.         pc++;
778.         bill[ic][pc] = "10";
779.         ic++;
780.         pc = 0;
781.     }
782. }
783. }
784. cout << "-----" << endl;
785. cout << "The total: RM" << total << endl; //Total
786. cout << "Total discount: RM" << amount << endl; // The discount
787. cout << "Total after discount: RM" << total - amount << endl; // Total after discount
788.
789. string yes_no;
790. cout << "Would you like to print out your bill? [y/n]? "; cin >> yes_no;
791. /* Transform to lowercase */
792. transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
793. if (yes_no == "y") // print out the bill
794. {
795.     for (size_t i = 0; i < itemsCount; i++)
796.     {
797.         for (size_t j = 0; j < 2; j++)
798.         {
799.             if (j == 0)
800.             {
801.                 cout << i + 1 << "- " << bill[i][j];
802.             }
803.             else
804.             {
805.                 cout << "\t\tRM" << bill[i][j];
806.             }
807.         }
808.         cout << endl;
809.     } total += amount;
810.     cout << "-----"
811.     << endl;
812.     cout << "Total: \t\t\tRM" << total << endl;
813.     cout << "Total discount\t\t\tRM" << amount << endl;
814.     cout << "Total after discount: RM" << total - amount << endl;
815.     cout << "Would you like to save your bill in file ? [y/n]"; cin >> yes_no;
816.     transform(yes_no.begin(), yes_no.end(), yes_no.begin(), ::tolower);
817.     if (yes_no == "y") // print out the bill into file
818.     {
819.         ofstream file("bill.txt");
820.         if (file.is_open())
821.         {
822.             file << "A bill for: " << name << endl;
823.             for (size_t i = 0; i < itemsCount; i++)
824.             {
825.                 for (size_t j = 0; j < 2; j++)
826.                 {
827.                     if (j == 0)
828.                     {
829.                         file << i + 1 << "- " << bill[i][j];
830.                     }
831.                     else
832.                     {
833.                         file << "\t\tRM" << bill[i][j];
834.                     }
835.                 }

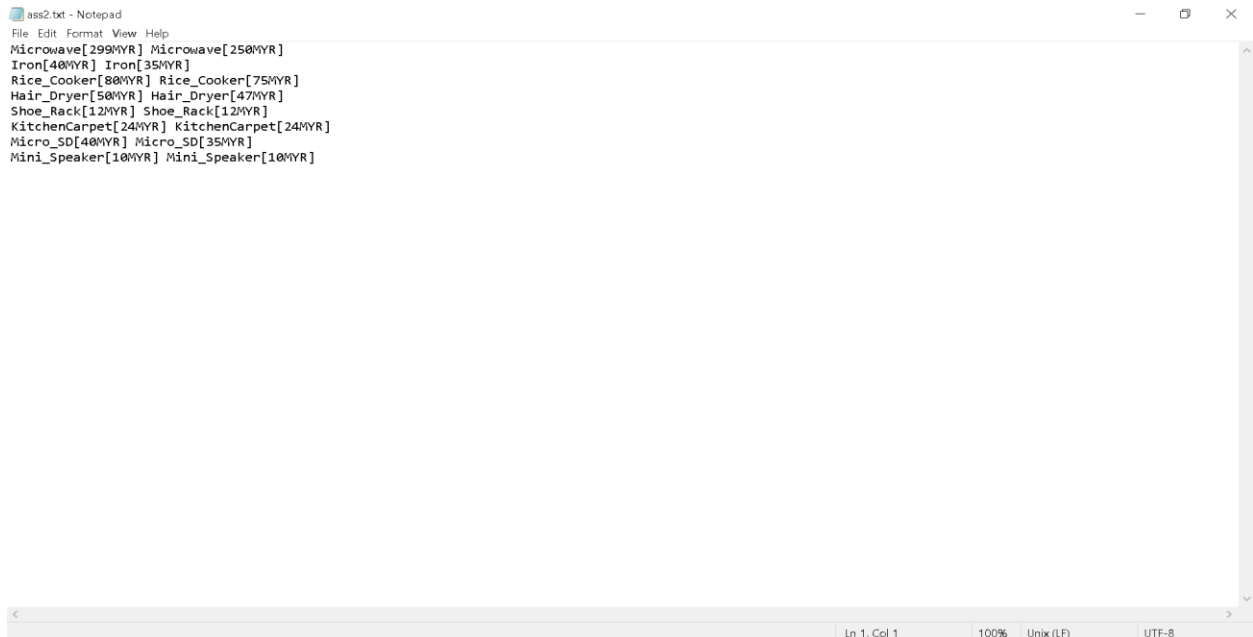
```

```

836.         }
837.
838.         file << endl;
839.     }
840.     file << "-----"
-----" << endl;
841.     file << "Total: \t\t\tRM" << total << endl;
842.     file << "Total discount:\t\tRM" << amount << endl;
843.     file << "Total after discount: RM" <<total - amount<< endl;
844.     }
845.     file.close();
846.     cout << "Thank you for shopping with us!" << endl;
847.
848.     }
849.     else
850.     {
851.         cout << "Thank you for shopping with us!" << endl;
852.     }
853. }
854. else
855. {
856.     cout << "Thank you for shopping with us!" << endl;
857. }
858.
859.}

```

File



File Edit Format View Help

```

Microwave[299MYR] Microwave[250MYR]
Iron[40MYR] Iron[35MYR]
Rice_Cooker[180MYR] Rice_Cooker[75MYR]
Hair_Dryer[50MYR] Hair_Dryer[47MYR]
Shoe_Rack[12MYR] Shoe_Rack[12MYR]
KitchenCarpet[24MYR] KitchenCarpet[24MYR]
Micro_SD[40MYR] Micro_SD[35MYR]
Mini_Speaker[10MYR] Mini_Speaker[10MYR]

```


Ln 1, Col 1 100% Unix (LF) UTF-8

Customer

```
C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe
*****
Welcome to our market
*****

Please dear valuable customer enter your name: muaadh esmail
Enter [1] If you are customer
Enter [2] If you are member
Enter [3] If you are staff
Input: 1
[1]Microwave[299MYR]
[2]Iron[40MYR]
[3]Rice_Cooker[80MYR]
[4]Hair_Dryer[50MYR]
[5]Shoe_Rack[12MYR]
[6]KitchenCarpet[24MYR]
[7]Micro_SD[40MYR]
[8]Mini_Speaker[10MYR]
how many items that you want to buy
5
choose the item by typing number from [1]to[8]
1
Microwave[299MYR]
2
Iron[40MYR]
3
Rice Cooker[80MYR]
4
Hair Dryer[50MYR]
5
Shoe Rack[12MYR]
-----
the total =[481]
the discount =[24.05]
the total after discount =[ 456.95]
Would you like to print out your bill? [y/n]? y
1- Microwave      RM299
2- Iron           RM40
3- Rice Cooker    RM80
4- Hair Dryer     RM50
5- Shoe Rack      RM12
-----
Total:            RM481
the discount:     RM24.05
Total after discount: RM456.95
Would you like to save your bill in file? [y/n]y
Thank you for shopping with us!

C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe (process 18988) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

 *bill.txt - Notepad

File Edit Format View Help

A bill for: muaadh esmail

1- Microwave	RM299
2- Iron	RM40
3- Rice Cooker	RM80
4- Hair Dryer	RM50
5- Shoe Rack	RM12

Total:	RM481
the discount	24.05
Total after discount:	RM456.95

<

Member

```
C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe
*****
Welcome to our market
*****

Please dear valuable customer enter your name: muaadh esmail
Enter [1] If you are customer
Enter [2] If you are member
Enter [3] If you are staff
Input: 2
please enter the member code:
member
[1]Microwave[250MYR]
[2]Iron[35MYR]
[3]Rice_Cooker[75MYR]
[4]Hair_Dryer[47MYR]
[5]Shoe_Rack[12MYR]
[6]KitchenCarpet[24MYR]
[7]Micro_SD[35MYR]
[8]Mini_Speaker[10MYR]
how many items that you want to buy
10
choose the item by typing number from [1]to[8]
1
Microwave[250MYR]
2
Iron[35MYR]
3
Rice Cooker[75MYR]
4
Hair Dryer[47MYR]
5
Shoe Rack[12MYR]
6
KitchenCarpet[24MYR]
7
MicroSD[35]
8
Mini Speaker[10]
4
Hair Dryer[47MYR]
1
Microwave[250MYR]
-----

The total =[785]
the discount =[39.25]
the total after discount =[ 745.75]
Would you like to print out your bill? [y/n]? y
1- Microwave      RM250
2- Iron           RM35
3- Rice Cooker    RM75
4- Hair Dryer     RM47
5- Shoe Rack      RM12
6- KitchenCarpet RM24
7- MicroSD        RM35
8- Mini Speaker   RM10
9- Hair Dryer     RM47
10- Microwave     RM250
-----
Total:            RM785
the discount      39.25
Total after discount: RM745.75
Would you like to save your bill in file? [y/n]y
Thank you for shopping with us!

C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe (process 11200) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
*bill.txt - Notepad
File Edit Format View Help
A bill for: muaadh esmail
1- Microwave RM250
2- Iron RM135
3- Rice Cooker RM175
4- Hair Dryer RM147
5- Shoe Rack RM112
6- KitchenCarpet RM124
7- MicroSD RM135
8- Mini Speaker RM110
9- Hair Dryer RM147
10- Microwave RM250
-----
Total: RM785
the discount 39.25
Total after discount: RM745.75

Ln 3, Col 18 100% Windows (CRLF) UTF-8
```

Staff

```
C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe
*****
                Welcome to our market
                *****
Please dear valuable customer enter your name: muaadh esmail
Enter [1] If you are customer
Enter [2] If you are member
Enter [3] If you are staff
Input: 3
please enter the staff code
staff
[1]Microwave[299MYR]
[2]Iron[40MYR]
[3]Rice_Cooker[80MYR]
[4]Hair_Dryer[50MYR]
[5]Shoe_Rack[12MYR]
[6]KitchenCarpet[24MYR]
[7]Micro_SD[40MYR]
[8]Mini_Speaker[10MYR]
How many items would you like to buy? 7
Choose the item by typing number from [1] to [8]
1
Microwave[299MYR]
2
Iron[40MYR]
3
Rice Cooker[80MYR]
4
Hair Dryer[50MYR]
5
Shoe Rack[12MYR]
6
KitchenCarpet[24MYR]
7
MicroSD[40]
-----
The total: RM545
Total discount: RM32
Total after discount: RM513
Would you like to print out your bill? [y/n]? y
1- Microwave           RM299
2- Iron                RM40
3- Rice Cooker         RM80
4- Hair Dryer          RM50
5- Shoe Rack           RM12
6- KitchenCarpet       RM24
7- MicroSD             RM40
-----
Total:                 RM545
Total discount         RM32
Total after discount:  RM513
Would you like to save your bill in file ? [y/n]y
Thank you for shopping with us!

C:\Users\muada\source\repos\ConsoleApplication29\Debug\ConsoleApplication29.exe (process 1564) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```



```
*bill.txt - Notepad
File Edit Format View Help
A bill for: muaadh esmail
1- Microwave      RM299
2- Iron           RM40
3- Rice Cooker    RM80
4- Hair Dryer     RM50
5- Shoe Rack      RM12
6- KitchenCarpet RM24
7- MicroSD        RM40
-----
Total:            RM545
Total discount:   RM32
Total after discount: RM513
```

Ln 7, Col 18 100% Windows (CRLF) UTF-8