

```
//INCLUDING HEADER FILES
```

```
#include<iostream>
```

```
#include<string>
```

```
#include<iomanip>
```

```
using namespace std;
```

```
/*
```

```
    Name: Freda Serwaa Acheampong
```

```
    Copyright:@2020
```

```
    Author: Freda Serwaa Acheampong
```

```
    Date: 27/01/21 17:30
```

```
    Description: This code works for INF SUPERMARKET
```

```
*/
```

```
int main()
```

```
{
```

```
    //VARIABLE DECLARATION/INITIALIZATION
```

```
    string customer_name;
```

```
    int customer_id;
```

```
    int quantity;
```

```
    string buy_item;
```

```
    double customer_money;
```

```
double balance;

const double vat=0.12;

double printer_price = 650;
double phone_price = 350;

double table_price = 95;

string item1="Printer";

string item2="Phone";

string item3="Table";

double total_cost;

double total_amount_paid;

//END OF VARIABLE DECLARATION
```

```
//SERVICES OFFERED IN THE COMPANY
```

```
cout << "We offer two services in our company\n"<<endl;

cout << "1.Purchasing an item\n"<<endl;

cout << "2.Making Enquiries\n"<<endl;

cout << "But for Now, you can only purchase an item\n"<<endl;
```

```
//CUSTOMER'S NAME
```

```
cout << "Please what is your Full Name:\n"<<endl;

getline(cin, customer_name);
```

```

cout <<endl;

//CUSTOMER'S UNIQUE ID

cout <<"Please Kindly enter your ID in number\n"<<endl;

cin >> customer_id;

cout <<endl;

//USING IF ELSE IF TO CALCULATE FOR THE CUSTOMER'S DEMAND

if(customer_money < printer_price || customer_money < phone_price || customer_money <
table_price)
{
    cout <<"Please your money is insufficient to buy this item. Please Try Another Time!\n"<<endl;

}else if(buy_item=="printer" || buy_item=="Printer" || buy_item=="PRINTER"){
total_cost = (printer_price *quantity);

cout <<endl;

cout << "Total cost is: GHc"<< total_cost<<endl;

cout <<endl;

total_amount_paid = (total_cost + vat);

cout <<endl;

cout <<"Total Amount Paid is: GHc "<<total_amount_paid<<endl;

cout <<endl;

balance = customer_money - total_amount_paid;

cout <<endl;

cout <<"Balance is: GHc "<<balance<<endl;

cout <<endl;

//RECEIPT TO BE ISSUED TO THE CUSTOMER

```

```
cout << "***CUSTOMER RECEIPT***\n" << endl;
;
cout << "Name of Customer :    " << customer_name << endl;

cout << "Customer ID :    " << customer_id << endl;

cout << "Item Bought :    " << item1 << endl;

cout << "Vat Amount :    " << vat << endl;

cout << "Total Cost :    " << total_cost << endl;

cout << "Total Amount Paid :    " << total_amount_paid << endl;

cout << "Balance :    " << balance << endl;

cout << endl;

cout << "THANK YOU FOR TRANSACTING WITH US" << endl;
```

```
}else if(buy_item=="phone" || buy_item=="Phone" || buy_item=="PHONE"){
```

```
total_cost = (phone_price * quantity);
```

```
cout << endl;
```

```
cout << "Total cost is: GHc" << total_cost << endl;
cout << endl;
```

```
total_amount_paid = (total_cost + vat);
cout << endl;
```

```
cout << "Total Amount Paid is: GHc " << total_amount_paid << endl;
cout << endl;
```

```
balance = customer_money - total_amount_paid;
cout << endl;
```

```
cout << "Balance is: GHc " << balance << endl;
cout << endl;
```

```
//RECEIPT TO BE ISSUED TO THE CUSTOMER
```

```
cout << "***CUSTOMER RECEIPT***\n" << endl;

cout << "Name of Customer :   " << customer_name << endl;

cout << "Customer ID :       " << customer_id << endl;

cout << "Item Bought :       " << item2 << endl;

cout << "Vat Amount :        " << vat << endl;

cout << "Total Cost :         " << total_cost << endl;

cout << "Total Amount Paid :   " << total_amount_paid << endl;

cout << "Balance :           " << balance << endl;
cout << endl;

cout << "THANK YOU FOR TRANSACTING WITH US" << endl;

}else if (buy_item == "table" || buy_item == "Table" || buy_item == "TABLE"){

total_cost = (table_price * quantity);
cout << endl;

cout << "Total cost is: GHc" << total_cost << endl;
cout << endl;

total_amount_paid = (total_cost + vat);
cout << endl;

cout << "Total Amount Paid is: GHc " << total_amount_paid << endl;
cout << endl;

balance = customer_money - total_amount_paid;
cout << endl;

cout << "Balance is: GHc " << balance << endl;
cout << endl;

//RECEIPT TO BE ISSUED TO THE CUSTOME

cout << "***CUSTOMER RECEIPT***\n" << endl;
```

```
cout << "Name of Customer :   " << customer_name << endl;

cout << "Customer ID :       " << customer_id << endl;

cout << "Item Bought :      " << item1 << endl;

cout << "Vat Amount :       " << vat << endl;

cout << "Total Cost :       " << total_cost << endl;

cout << "Balance : " << balance << endl;

cout << endl;

cout << "THANK YOU FOR TRANSACTING WITH US" << endl;


} else {

    cout << "Invalid Input?????? TRY AGAIN " << endl;

}


    return 0;
}
```