A

PROJECT

On

BILLINGSYSTEM of MOBILESHOP

SUBMITTED TO:

**SUBMITTED** 

BY:

Ms.Neetu singh

**Vaibhav Goel** 

ROLL NO.

SHRI DAULAT RAM PUBLIC SENIOR SECONDARY

SCHOOL

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### INFORMATION

This project aims at developing into software that can be used at places like shops and malls to easily maneuver the daily tasks of making handmade bill of each customer and checking whether he/she has really buy a product when they came to return it or etc.

This project is time saving as it saves the time of the shops or malls owner as well as customer. Modification of the details of the bill in the stock, addition of more product in shop and keeping up of the details of the shop is much more convenient.

In the development of the project, selection of an appropriate programming language and a platform is of primary importance. The major part of the credit goes to the software environment chosen by the developer. Selection of a language from the ocean of languages is very difficult, a developer has to consider various features and functionalities that a particular language can provide.

In this project c++ language is used to maintain all the data. It provides many features like file handling, data can be easily maintained and many features that are required while doing a project.

## CERTIFICATE

THIS IS TO CERTIFY THAT <u>VAIBHAV GOEL</u> STUDENT OF

12th Non Medical OF SHRI DAULAT RAM PUBLIC

SECONDARY PUBLIC SCHOOL PREPARED PROJECT

FILE OF <u>BILLING SYSTEM OF MOBILE SHOP</u> UNDER MY

SUPERVISION.

THIS PROJECT WORK IS TESTIMONY OF WORK DONE BY HIM.

Ms. NEETU (Incharge of C.Sc.)

## Acknowledgement

My foremost and profound gratitude goes to <u>Ms. Neetu</u> for her proficient and enthusiastic guidance and encouragement. The suggestions given undoubtedly helped in supplementing my thoughts in the right direction for attaining the desired objective.

My heartfelt gratitude also goes to all the faculty members and Staff of <u>Shri Daulat Ram Public Senior Secondary School</u> who have contributed directly or indirectly towards the successful completion of the project.

-Vaibhav goel

#### REQUIREMENTS

- > HARDWARE REQUIREMENT
  - 1) Keyboard
  - 2) Monitor & CPU
  - 3) 512 Megbyte RAM
  - 4) 50 Megabyte Hard Disk
- > SYSTEM REQUIREMENT

WINDOWS XP, vista, 7, 8, 10

## **HEADERFILES**

- <fstream.h> for using cout, cin, open() and close() functions.
- 2) <conio.h> for using getch(), clrscr() functions.
- 3) <stdlib.h> for using randomize() and random()
   function.
- 4) <stdio.h> for using removed(), rename(), gets() and puts() functions.
- 5) <string.h> for using strcmp() functions.
- 6) content6) contentfor using exit() function.

# SOURCE CODE

#### //HEADER FILES

```
#include<iostream.h>
#include<fstream.h>
#include<conio.h>
#includeprocess.h>
#include<stdlib.h>
#include<stdio.h>
#include<string.h>
//PASSWORD
#define Password 9910425
//CLASS CONTAIN MEMBERS
class BILLING
//ARRAY OF INT TYPE CONTAIN CODE NO OF ELEMENT
int A[20];
//CONTAIN NO OF ITEM PURCHASE OF INT TYPE
int L;
//BILL NO OF INT TYPE CONTAIN BILL NO
int Billno;
// ARRAY OF LONG TYPE CONTAIN NO OF ITEM PURCHASE
long Noofitems[20];
//STRING TO STORE CUSTOMER NAME
char Cname[20];
//STATIC STRING CONTAIN NAME OF ITEMS
static char* Itemsname[20];
//ARRAY OF DOUBLE TYPE CONTAIN PRIZE OF ALL ITEM PURCHASE
double Itemsprize[20];
// ARRAY OF DOUBLE TYPE CONTAIN PRIZE OF ALL ITEM PURCHASE
double oneitemprize[20];
//CONTAIN TOTAL PRIZE OF ITEM PURCHASE
double Totalprize;
//CONTAIN MOBILE NO OF CUSTOMER
ahar Mahilana[10].
```

```
//CONTAIN DISCOUNT PERCENTAGE
int Discount;
//CONTAIN DISCOUNT PRIZE
double Discountprize;
//CONTAIN PRIZE TO PAY
double Prizetopay;
//CALCULATION FUNCTION TO CALCULATE DISCOUNT PRIZE BY
TOTAL PRIZE
void Calculation()
{
   for (int i=0; i<20; i++)
   Itemsprize[i] = (Noofitems[i] * oneitemprize[i]);
  Totalprize+=Itemsprize[i];
}
if(Totalprize<=25000)
{
  Discount=0;
}
else if((Totalprize>25000)&&(Totalprize<=5000))</pre>
   Discount=10;
}
else if((Totalprize>50000)&&(Totalprize<=100000))</pre>
  Discount=12;
}
else
{
  Discount=15;
}
  Discountprize=(Totalprize*Discount)/100;
  Prizetopay=(Totalprize-Discountprize);
public:
```

void ENTER();

```
void Display();
      void Modification();
      int ReturnBillno();
      char* ReturnCname();
      char* ReturnMobileno();
//CONSTRUCTOR TO ENTER VALUE OF ONE ITEM PRIZE AND SO
OTHER
BILLING()
      Totalprize=0;
      for (int i=0; i<20; i++)
     Noofitems[i]=0;
//1 item prize
     oneitemprize[0]=10000;
     oneitemprize[1] = 70000;
     oneitemprize[2]=30000;
     oneitemprize[3]=9500;
     oneitemprize[4]=60000;
     oneitemprize[5]=6000;
     oneitemprize[6]=24500;
     oneitemprize[7]=5000;
     oneitemprize[8]=2000;
     oneitemprize[9]=10000;
     oneitemprize[10]=11000;
     oneitemprize[11]=7999;
     oneitemprize[12]=8999;
     oneitemprize[13]=70999;
     oneitemprize[14]=30000;
     oneitemprize[15]=6999:
```

oneitemprize[16]=10000;

```
oneitemprize[17]=12000;
     oneitemprize[18]=13000;
     oneitemprize[19] = 20000;
 }
};
//GLOBALE VARIABLE OF CLASS BILLING
BILLING BILL:
//STORE ITEM NAME IN STRING ( ITEMS NAME)
char*BILLING::Itemsname[]={"SAMSUNG","APPLE","MICRO","NOKIA",
"SONY", "LG", "HTC", "MOTO",
"HUAWEI", "LEONOVO", "XIAOMI",
"ACER", "ASUS", "OPPO", "ONEPLUS", "MEIZU",
"BERRY", "ALCATEL", "ZTE", "GIONEE" };
//FUNCTION TO ENTER INFORMATION ABOUT BILL
void BILLING::ENTER()
{
L=0;
for (int k=0; k<20; k++)
 {
A[k] = 0;
}
randomize();
  Billno=random(20000)+1000;
                ";
   cout<<"
  cout<<"**************************;
  cout<<"\n\n Billno\t\t "<<Billno;</pre>
  gets(Cname);
  cout<<"\n Enter code of the item customer purchase(1-20):\n";</pre>
   cout<<"***Enter 0 To leave***\n";</pre>
  for (int i=0; i<20; i++)
```

```
cin>>A[i];
   if(A[i]==0)
   break;
   }
   L++;
   }
   cout<<"\t *******************************;
   cout<<"\n\t\t ";
   cout<<" Enter no of items purchase";</pre>
   cout<<"\n\t\t *****************;
   cout<<"\n\n\t\Name of items \tNo of item purchase\n";</pre>
   for(i=0;i<20;i++)
      for(int j=0;j<L;j++)</pre>
      if(i+1==A[j])
      cout<<"\t\t";
      cout<<Itemsname[i];</pre>
      cout<<"\t\t\t";
      cin>>Noofitems[i];
      break;
}
cout<<"\n Enter Mobileno ";</pre>
gets(Mobileno);
void Calculation();
for(k=L; k<20; k++)
```

{

```
A[k] = 0;
}
//FUNCTION TO DISPLAY BILL
void BILLING::Display()
   {
   clrscr();
   cout<<"\n\t\t\ Bill no: "<<Billno;</pre>
   cout<<"\n\t\t\t****************************;
   cout<<"\n\n Customer name :";</pre>
   puts(Cname);
   cout<<"\ncode of item \t Name of item\tNo of item purchase\tItem</pre>
prize\n\n";
   for(int i=0;i<20;i++)
   for(int j=0;j<L;j++)</pre>
   if(i+1==A[j])
    {
   cout<<""<<A[j]<<"\t\t";
   cout<<Itemsname[i];</pre>
   cout<<"\t\t"<<Noofitems[i]<<"\t\t\t"<<Itemsprize[i];</pre>
   cout<<"\n";
```

```
cout<<"\n\n Discount: \t\t"<<Discount<<"%";</pre>
 cout<<"\n\n Discount Prize: \t"<<Discountprize;</pre>
 cout<<"\n\n Prize to pay: \t"<<Prizetopay;</pre>
 cout<<"\n\n Mobile no: \t";</pre>
 cout<<Mobileno;</pre>
 getch();
 }
//FUNCTION TO MODIFY A BILL
void BILLING::Modification()
{
    int cho;
    do
       clrscr();
       cout<<" 1.Modify Customer name:";</pre>
       cout<<"\n\n 2.Modify item purchase";</pre>
       cout<<"\n\n 3.ModifyMobile no";</pre>
       cout<<"\n\n 0.return";</pre>
       cout<<"\n\n Enter choice";</pre>
       cin>>cho;
       switch(cho)
       {
          case 0:return;
          case 1:clrscr();
                cout<<" Enter Customer name:";</pre>
                gets(Cname);
                getch();
                break;
         case 2:clrscr();
               int C;
```

```
cout<<"\n\n 0.return";</pre>
cout<<"\n\n Enter choice:";</pre>
cin>>C;
clrscr();
switch(C)
case 1:
    clrscr();
    cout<<"\t ****************;
    cout<<"\n\t ";
    cout<<" Enter no of items purchase:";</pre>
    cout<<"\n\t ************;
    cout<<"\n\n\t Name ofitem\tNo of";</pre>
    cout<<"item purchase\n";</pre>
    for(int i=0;i<20;i++)
      for(int j=0;j<L;j++)
      {
      if(i+1==A[j])
      {
     cout<<"\t ";
      cout<<Itemsname[i];</pre>
      cout<<"\t\t\t";
      cin>>Noofitems[i];
      break;
      getch();
      break;
  case 2:
       clrscr();
       int lo;
```

```
if(L<20)
cout<<"\n Enter cord of the item:\n";</pre>
for(int i=L; i<20; i++)
 {
cout<<" ";
cin>>A[i];
if(A[i]==0)
{break;
 }
L++;
 }
cout<<"\n\n\t Nmae ofitem \tNo of";</pre>
cout<<"item purchase\n";</pre>
for(i=0;i<20;i++)
{ for (int j=lo; j<L; j++)</pre>
if(i+1==A[j])
cout<<"\t";
cout<<Itemsname[i];</pre>
cout<<"\t\t\t";</pre>
cin>>Noofitems[i];
break;
 }
else
cout<<"Sorry all item";</pre>
```

```
}
                         getch();
                         break;
                   case 3:
                        clrscr();
                        L=0;
                        int B[20];
                        for (int k=0; k<20; k++)
                        {
                        B[k]=A[k];
                        A[k] = 0;
}
                        int b;
                        int a=0;
                        cout<<"Enter the cord noof";</pre>
                        cout<<"the item:\n";</pre>
                        cin>>b;
                        for (int w=0; w<20; w++)
                         {
                        if(B[w]!=b)
                        {
                        A[a]=B[w];
                        a++;
                        if(B[w]==0)
                        break;
                         }
                        L++;
```

```
break;
                       default:
                      cout<<" Wrong choice";</pre>
                      getch();
                       }
                  BILL.Calculation();
                   }
while (C!=0);
                    break;
                    case 3:
                        clrscr();
                        cout<<" Enter the mobile no ";</pre>
                        cin>>Mobileno;
                        getch();
                     default:
                          cout<<"Wrong choice";</pre>
                          } while (cho!=0);
                           }
//FUNCTION TO RETURN VALUE OF BILLNO
int BILLING::ReturnBillno()
{
    return Billno;
//FUNCTION TO RETURN VALUE OF CUSTOMER NAME
char* BILLING::ReturnCname()
   return Cname;
```

}

```
//FUNCTION TO RETURN VALUE OF MODILE NO
char* BILLING::ReturnMobileno()
return Mobileno;
}
//CALLING FUNCTION
void choice(int C)
int Choice=0;
int flag=0;
int Bn;
long pass;
fstream f;
fstream f1;
switch(C)
    case 1:
         clrscr();
        BILL.ENTER();
         f.open("Bill.dat",ios::app);
         f.write((char*)&BILL, sizeof(BILL));
         f.close();
        break;
   case 2:
        clrscr();
        cout<<"\n 1.Search by custome name";</pre>
        cout<<"\n 2.search by Bill no";</pre>
        cout<<"\n Enter choice";</pre>
        cin>>Choice;
        switch(Choice)
```

```
cout<<"\n Enter customer name";</pre>
    gets (name);
     f.open("Bill.dat",ios::in);
    while(f.read((char*)&BILL, sizeof(BILL)))
     if(!strcmp(BILL.ReturnCname(), name))
     {BILL.Display();
     flag =1;
    break;
case 2:
    int b;
    cout<<"\n Enter Bill no";</pre>
    cin>>b;
     f.open("BILL.dat",ios::in);
    while(f.read((char*)&BILL,sizeof(BILL)))
     {
     if(BILL.ReturnBillno() == b)
    BILL.Display();
```

```
}
    break;
    default:
           cout<<"wrong choice\n Try again";</pre>
           }
           if(flag==0)
           {
           cout<<" Bill not found";</pre>
   }
   break;
case 3:
    clrscr();
    f.open("Bill.dat",ios::in);
    while(f.read((char*)&BILL,sizeof(BILL)))
     {
    BILL.Display();
    f.close();
    break;
```

```
clrscr();
cout<<" Enter password:";</pre>
cin>>pass;
if(pass!=Password)
{
return;
}
clrscr();
f.open("bill.dat",ios::in);
f1.open("temp.dat",ios::out);
cout<<"\n\n\t Enter bBill no";</pre>
cin>>Bn;
while(f.read((char*)&BILL, sizeof(BILL)))
if(BILL.ReturnBillno() == Bn)
{
BILL.Display();
BILL.Modification();
f1.write((char*)&BILL,sizeof(BILL));
```

```
if(BILL.ReturnBillno()!=Bn)
    f1.write((char*)&BILL,sizeof(BILL));
    f.close();
    f1.close();
    remove("BILL.dat");
    rename("temp.dat", "Bill.dat")
    if(flag==0)
     {cout<<" bill not found";
     }
    break;
case 5:
    clrscr();
    cout<<"\n\n Enter password:";</pre>
    cin>>pass;
    if(pass!=Password)
    return;
    clrscr();
     f.open("Bill.dat",ios::in);
     f1.open("temp .dat",ios::out);
```

```
cin>>Bn;
while(f.read((char*)&BILL, sizeof(BILL)))
{
if(BILL.ReturnBillno()==Bn)
{
BILL.Display();
cout<<"\n\t\t\t\tBILL IS DELETED";</pre>
flag=1;
}
if(BILL.ReturnBillno()!=Bn)
{
f1.write((char*)&BILL,sizeof(BILL));
} }
f.close();
f1.close();
remove("Bill.dat");
rename("temp.dat", "Bill.dat");
if(flag==0)
```

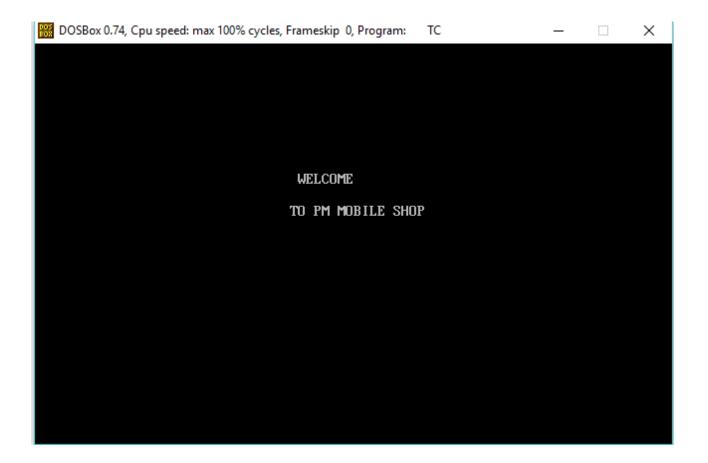
```
break;
       case 6:
            return;
       default:
             cout<<"\n Wrong choice";</pre>
             }
             getch();
             }
//MAIN FUNCTION
void main()
      clrscr();
      cout<<"
                            \n\n\n\n\n\n\n\t\t\t\ WELCOME\n\n";
      cout<<"\t\t\t\t\TO PM MOBILE SHOP";</pre>
      getch();
      clrscr();
       int cho=0;
```

```
cout<<"\t\t\t*********MAIN MENU********\n\n";
cout<<"\t\t\t 1...Create a Bill\n\n";</pre>
cout<<"\t\t\t 2...Display a specific Bill\n\n";</pre>
cout<<"\t\t 4...Modify a specific Bill\n\n";</pre>
cout<<"\t\t 5...Delete a bill \n\n";</pre>
cout<<"\t\t\t 6...EXIT\n\n";</pre>
cout<<"\n\n\n\n\n\n\t\t\t\t\t\t\tENTER YOUR CHOICE:::";</pre>
cin>>cho;
choice(cho);
}while(cho!=6);
clrscr();
cout << "\n\n\n\n\n\n\n\n\n\n\,
cout<<" ";
cout<<"
                   ********THANK YOU********;
getch();
```

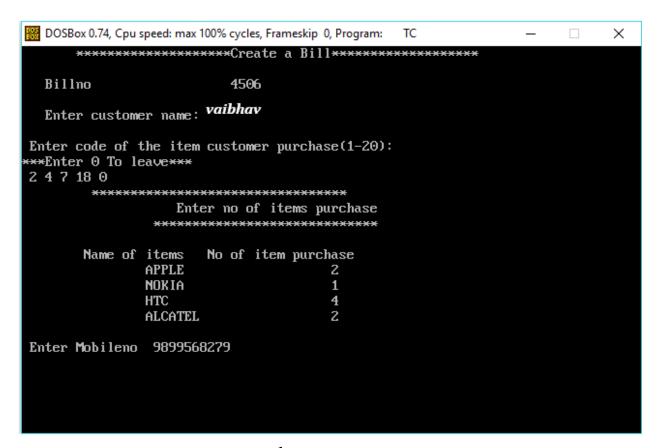
}



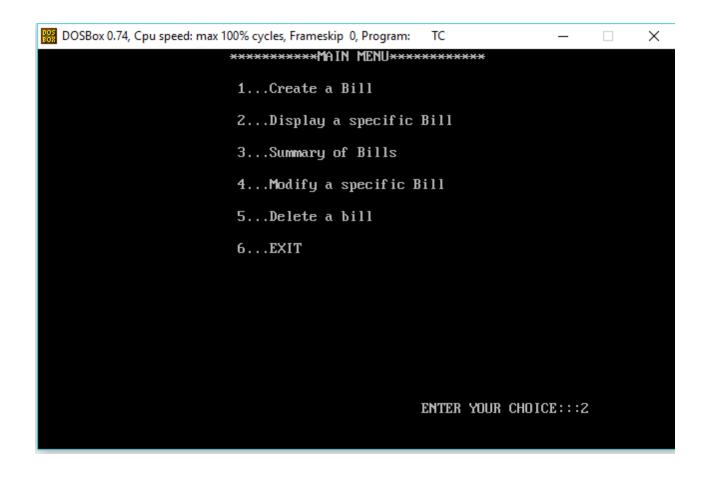
## WELCOME

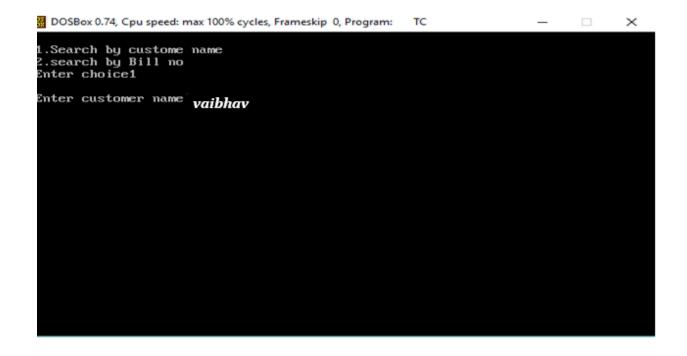


## CREATE A BILL



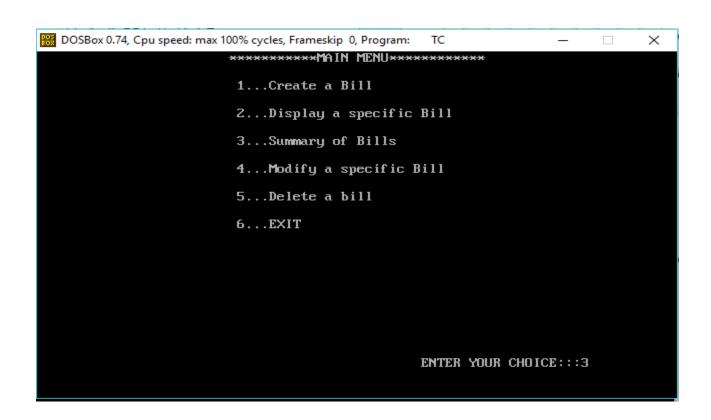
## DISPLAY A SPECIFIC BILL

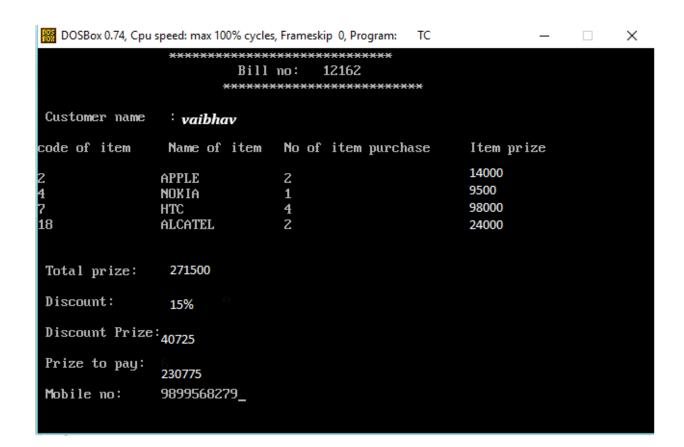




BOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: × TC \*\*\*\*\*\*\*\*\* Bill no: 12162 \*\*\*\*\*\*\* Customer name : vaibhav Name of item code of item No of item purchase Item prize 14000 APPLE 2 9500 NOKIA 4 98000 HTC 18 ALCATEL 24000 Total prize: 271500 Discount: 15% Discount Prize:40725 Prize to pay: 230775 9899568279\_ Mobile no:

## SUMMARY OF BILLS

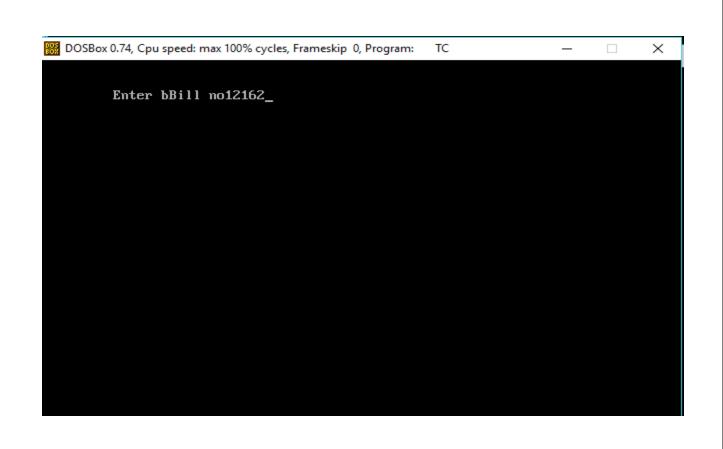




## MODIFY A SPECIFIC BILL

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC —	×
**************************************	
1Create a Bill	
2Display a specific Bill	
3Summary of Bills	
4Modify a specific Bill	
5Delete a bill	
6EXIT	
ENTER YOUR CHOICE:::4	

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:	TC	_	×
Enter password:9910425			



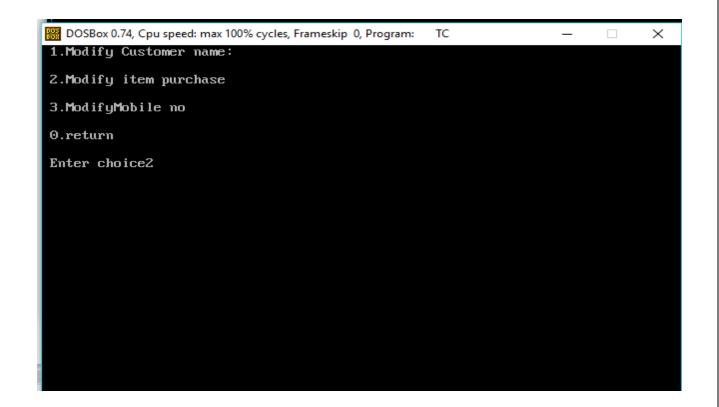
## DISPLAY OF BILL

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC X \*\*\*\*\*\*\*\* Bill no: 12162 \*\*\*\*\*\*\*\* Customer name : vaibhav code of item Name of item No of item purchase Item prize 14000 APPLE 2 9500 NOKIA 1 98000 HTC 18 ALCATEL 24000 Total prize: 271500 Discount: 15% Discount Prize:40725 Prize to pay: 230775 Mobile no: 9899568279\_

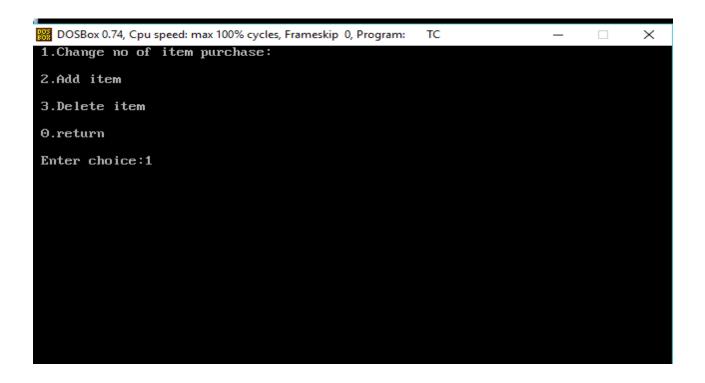
#### MODIFICATION MENU

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:	TC	_	$\times$
1.Modify Customer name:			
2.Modify item purchase			
3.ModifyMobile no			
0.return			
Enter choice1			

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC —	×	
Enter Customer name: vaibhav		

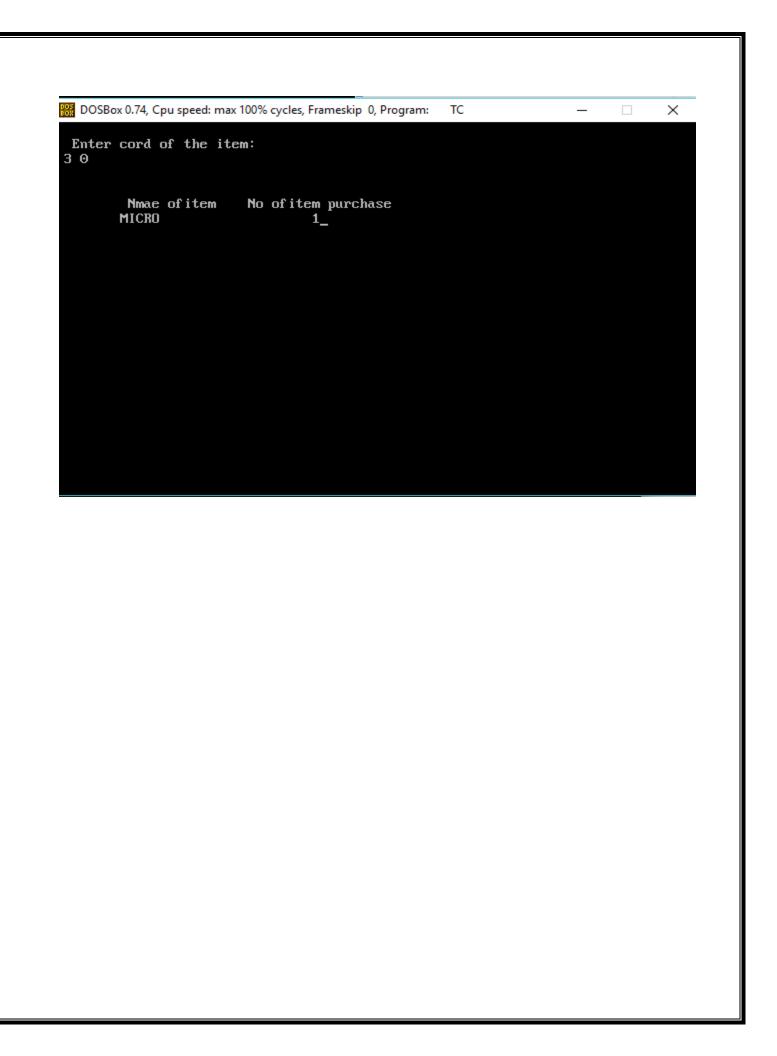


# MODIFY ITEM PURCHASE MENU



2				
4				
	2 3	3 4	2 3 4	2 3 4

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:  1.Change no of item purchase:	IC		×
2.Add item			
3.Delete item			
0.return			
Enter choice: 2			



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:	TC	_	×
1.Change no of item purchase:			
2.Add item			
3.Delete item			
0.return			
Enter choice: 3			
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:	TC	_	×
Enter the cord noofthe item: L8			

# DISPLAY OF MODIFIED BILL

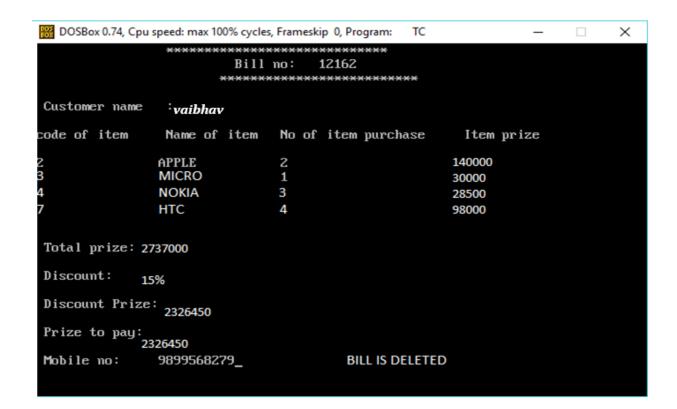
BOSBox 0.74, Cpu	ı speed: max 100% cycle:	s, Frameskip 0, Program: TC	_		×
**************************************					
Customer name	vaibhav				
code of item	Name of item	No of item purchase	Item prize		
2 3 4 7 Total prize: 2	APPLE MICRO NOKIA HTC	2 1 3 4	140000 30000 28500 98000		
Discount: 1	15%				
Discount Prize	2326450				
Prize to pay:	2326450				
Mobile no:	9899568279_				

## DELETE A BILL

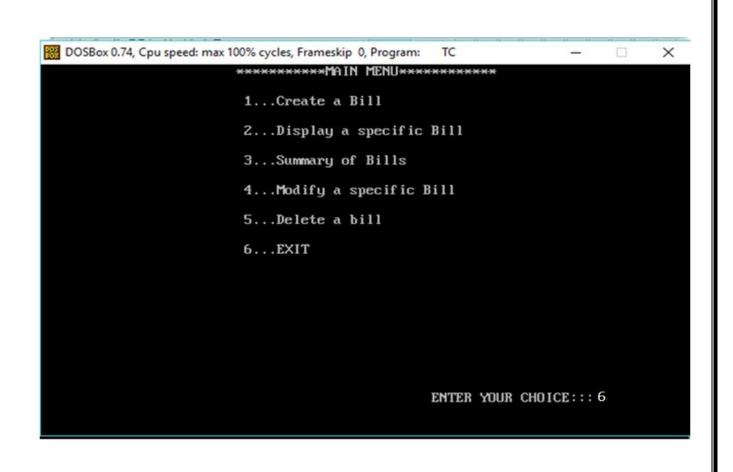
**********MAIN MENU********	>
1Create a Bill	
2Display a specific Bill	
3Summary of Bills	
4Modify a specific Bill	
5Delete a bill	
6EXIT	
ENTER YOUR CHOICE:::5	

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Pro	gram: TC	_	
Enter password:9910425			

DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC	-	×
Enter bBill no12162_		



#### **EXIT**



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program:	TC	- 🗆 X
**************************************	*******	**
THANK TOO		

### REFERENCES

WEBSITE:-

WWW.GOOGLE.COM

WWW.MYPROJECT.COM

B00KS:-

SUMITRA ARORA

TOGETHER WITH C++