

```
//          HEADER FILE USED IN PROJECT
```

```
#include<conio.h>
#include<stdio.h>
#include<process.h>
#include<fstream.h>
#include<string.h>
```

```
//          CLASS USED IN PROJECT
```

```
class product
{
    int pno;
    char name[50];
    float price,qty,tax,dis;
public:
    void create_product()
    {
        cout<<"\n* Please Enter The Product No. of The Product: ";
        cin>>pno;
        cout<<"\n\n* Please Enter The Name of The Product:";
        gets(name);
        cout<<"\n* Please Enter The Price of The Product: ";
        cin>>price;
        cout<<"\n* Please Enter The Discount (%): ";
        cin>>dis;
    }

    void show_product()
    {
        cout<<"\n* The Product No. of The Product : "<<pno;
        cout<<"\n* The Name of The Product : ";
        puts(name);
        cout<<"\n* The Price of The Product : "<<price;
        cout<<"\n* Discount : "<<dis;
    }

    int  retpno()
    {return pno;}

    float retprice()
    {return price;}

    char* retname()
```

```

        {return name;}

    int retdis()
    {return dis;}

};    //class ends here


//    global declaration for stream object, object

fstream fp;
product pr;


//    function to write in file

void write_product()
{
    fp.open("Shop.dat",ios::out | ios::app);
    pr.create_product();
    fp.write((char*)&pr,sizeof(product));
    fp.close();
    cout<<"\n\n*** The Product Has Been Created *** ";
    getch();
}


//    function to read all records from file

void display_all()
{
    clrscr();
    cout<<"\n\n\n\t\t*** DISPLAY ALL RECORD !!!\n\n";
    fp.open("Shop.dat",ios::in);
    while(fp.read((char*)&pr,sizeof(product)))
    {
        pr.show_product();
        cout<<"\n\n===== \n";
        getch();
    }
}

```

```
    }  
    fp.close();  
    getch();  
}
```

```
//      function to read specific record from file
```

```
void display_sp(int n)  
{  
    int flag=0;  
    fp.open("Shop.dat",ios::in);  
    while(fp.read((char*)&pr,sizeof(product)))  
    {  
        if(pr.retpno()==n)  
        {  
            clrscr();  
            pr.show_product();  
            flag=1;  
        }  
    }  
    fp.close();  
    if(flag==0)  
        cout<<"\n\n***record not exist***";  
    getch();  
}
```

```
//      function to modify record of file
```

```
void modify_product()  
{  
    int no,found=0;  
    clrscr();  
    cout<<"\n\n\t***To Modify ";  
    cout<<"\n\n\t* Please Enter The Product No. of The Product:";  
    cin>>no;  
    fp.open("Shop.dat",ios::in | ios::out);  
    while(fp.read((char*)&pr,sizeof(product)) && found==0)  
    {  
        if(pr.retpno()==no)
```

```

        {
            pr.show_product();
            cout<<"\n* Please Enter The New Details of Product:"<<endl;
            pr.create_product();
            int pos=-1*sizeof(pr);
            fp.seekp(pos,ios::cur);
            fp.write((char*)&pr,sizeof(product));

            cout<<"\n\n\t***Record Updated***";
            found=1;
        }
    }
    fp.close();
    if(found==0)
        cout<<"\n\n\t*** Record Not Found *** ";
    getch();
}

//      function to delete record of product

void delete_product()
{
    int no;
    clrscr();
    cout<<"\n\n\n\t**Delete Record**";
    cout<<"\n\n* Please Enter The product no. of The Product You Want To Delete:";
    cin>>no;
    fp.open("Shop.dat",ios::in | ios::out);
    fstream fp2;
    fp2.open("Temp.dat",ios::out);
    fp.seekg(0,ios::beg);
    while(fp.read((char*)&pr,sizeof(product)))
    {
        if(pr.retpno()!=no)
        {
            fp2.write((char*)&pr,sizeof(product));
        }
    }
    fp2.close();
    fp.close();
    remove("Shop.dat");
    rename("Temp.dat","Shop.dat");
    cout<<"\n\n\t***Record Deleted ..";
}

```

```

    getch();
}

//      function to display all products price list

void menu()
{

    clrscr();
    fp.open("Shop.dat",ios::in);
    if(!fp)
    {
        cout<<"\n\nERROR!!! FILE COULD NOT BE OPEN\n\n\n*** Go To Admin Menu to
create File ***";
        cout<<"\n\n\n* Program is closing ....";
        getch();
        exit(0);
    }

    cout<<"\n\n\t\t***Product MENU***\n\n";
        cout<<"===== \n";
        cout<<"P.NO.\t\tNAME\t\t\t\t\tPRICE\n";
        cout<<"===== \n";

    while(fp.read((char*)&pr,sizeof(product)))
    {
        cout<<pr.retpno()<<"\t\t"<<pr.retname()<<"\t "<<pr.retprice()<<endl;
    }
    fp.close();
}

//      function to place order and generating bill for Products

void place_order()
{
    int order_arr[50],quan[50],c=0;
    float amt,damt,total=0;
    char ch='Y';
    menu();
    cout<<"\n===== ";
    cout<<"\n  PLACE YOUR ORDER";
    cout<<"\n===== \n";
    do{
        cout<<"\n\n* Enter The Product No. Of The Product : ";

```


[illegible]

```
cout<<"\n\n\t* Please Enter The Product No.: ";
```



```

        cin>>num;
        display_sp(num);
        break;
    case '4': modify_product();break;
    case '5': delete_product();break;
    case '6': menu();
                getch();
    case '7': break;
    default:cout<<"\a";
}
}

//      THE MAIN FUNCTION OF PROGRAM

void main()
{
    char ch;
    intro();
    do

    {
        clrscr();
        cout<<"\n\n\n";
        cout<<"\t\t
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %    ***MAIN MENU***    %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %    01. CUSTOMER    %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %    02. ADMINISTRATOR    %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %    03. EXIT    %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t % Please Select Your Option (1-3): %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t %"<<endl;
        cout<<"\t\t
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%"<<endl;
        ch=getche();
        switch(ch)

```

```

        {
            case '1': clrscr();
                    place_order();
                    getch();
                    break;
            case '2': int p;
                    assign_user();
                    p=verify_password();
                    if(p==0)
                    {
                        admin_menu();
                    }
                    else
                    {
                        cout<<"\n\n\n\t\t***!!! You are Not a Valid User !!!***";
                        getch();
                    }
                    break;
            case '3':exit(0);
            default :cout<<"\a";
        }
    }while(ch!='3');

}

//          END OF PROJECT

```

Welcome

```

ZZ      ZZ
ZZ      ZZ  ZZZZZZZ  ZZ      ZZZZZZ  ZZZZZZ  ZZZZ  ZZZZ  ZZZZZZZ
ZZ      ZZ  ZZ      ZZ      ZZ      ZZ  ZZ  ZZ  ZZZ  ZZ  ZZ
ZZ  ZZ  ZZ  ZZZZZ  ZZ      ZZ      ZZ  ZZ  ZZ  ZZZ  ZZ  ZZZZZ
ZZ  ZZ  ZZ  ZZ  ZZ      ZZ      ZZ      ZZ  ZZ  ZZ      ZZ  ZZ
ZZZZZZZZZZ  ZZZZZZZZ  ZZZZZZZZ  ZZZZZZZZ  ZZZZZZZ  ZZ      ZZ  ZZZZZZZ

```

\$\$\$\$\$\$\$\$ \$\$\$\$\$\$
 \$\$\$\$ \$ \$
 \$\$\$ \$\$\$\$\$\$

***** SHOP MANAGEMENT SYSTEM *****

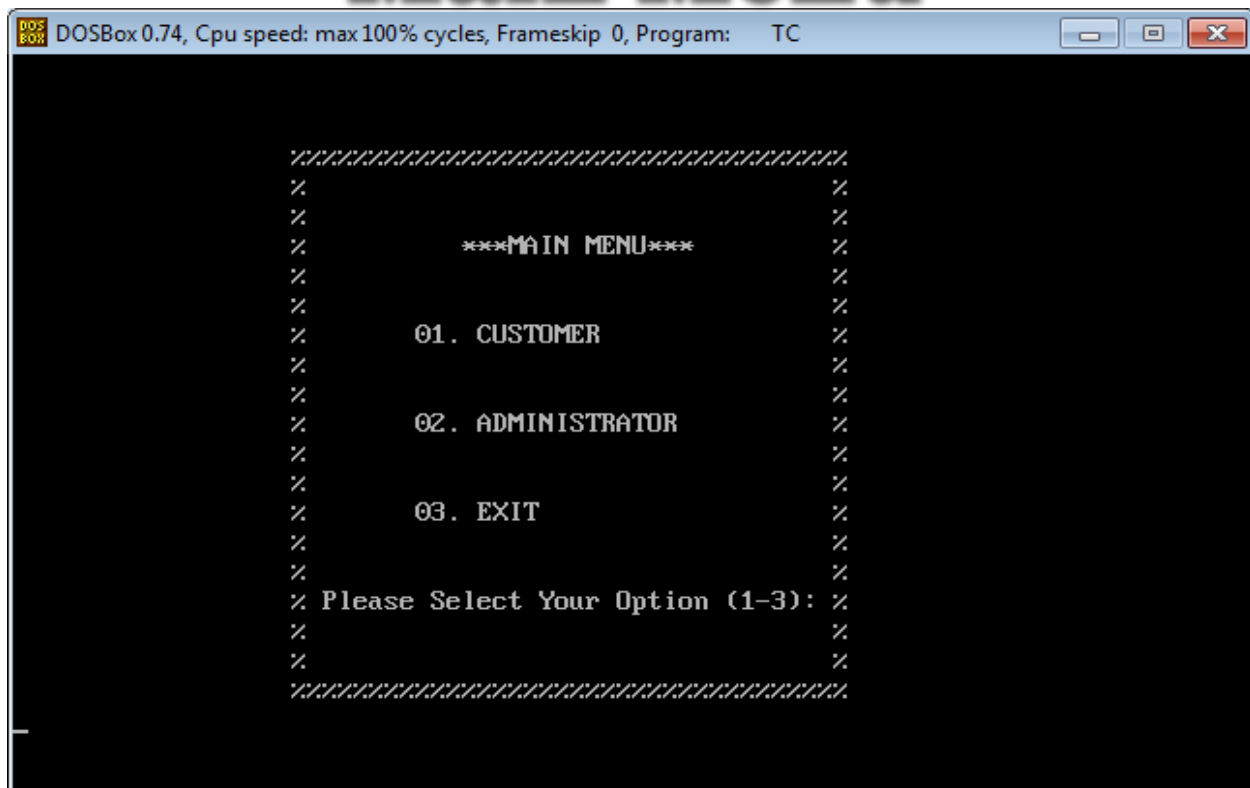
BY :-

* Aryan Rastogi (DELHI TECHNOLOGICAL UNIVERSITY)

* Ashish Kudiyal (DELHI TECHNOLOGICAL UNIVERSITY)

```
!!!!press 'ENTER' to continue:!!!! _
```

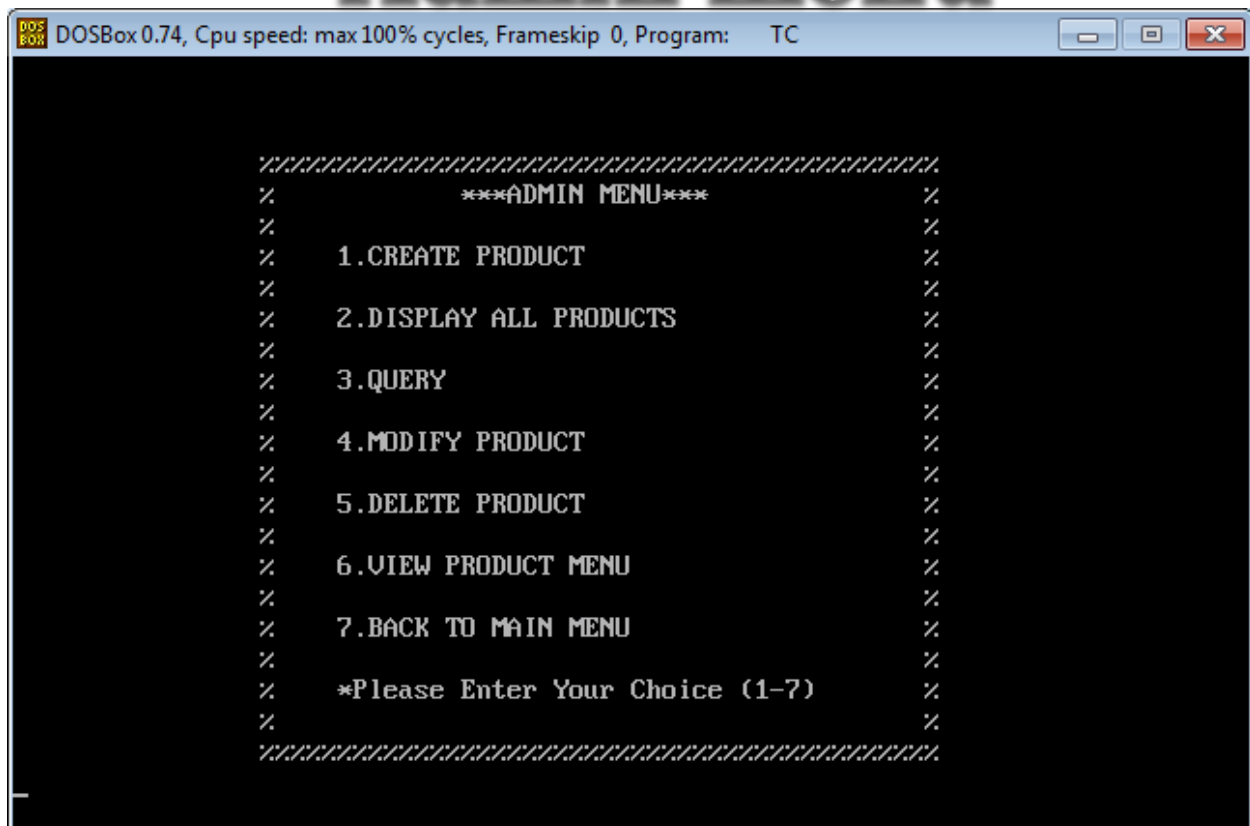
Main Menu



Verifying Name & Password

```
* Enter user name :ShopM  
  
* Enter Password : *****_
```

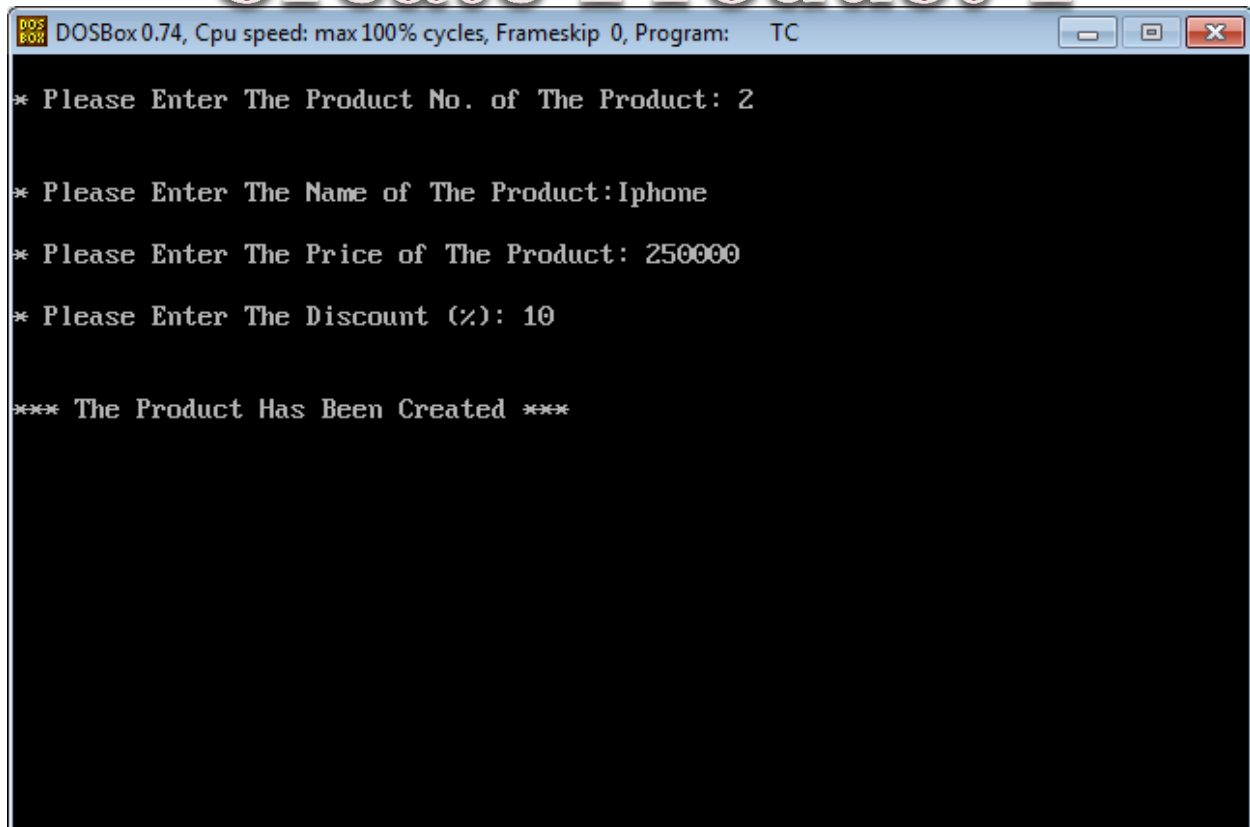
Admin menu



The screenshot shows a DOSBox window with the title bar "DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC". The window contains a text-based menu for an administrator. The menu is enclosed in a rectangular border made of slashes (/). The text inside the border is as follows:

```
*****ADMIN MENU*****  
1.CREATE PRODUCT  
2.DISPLAY ALL PRODUCTS  
3.QUERY  
4.MODIFY PRODUCT  
5.DELETE PRODUCT  
6.VIEW PRODUCT MENU  
7.BACK TO MAIN MENU  
*Please Enter Your Choice (1-7)
```

Create Product 1



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

```
* Please Enter The Product No. of The Product: 2

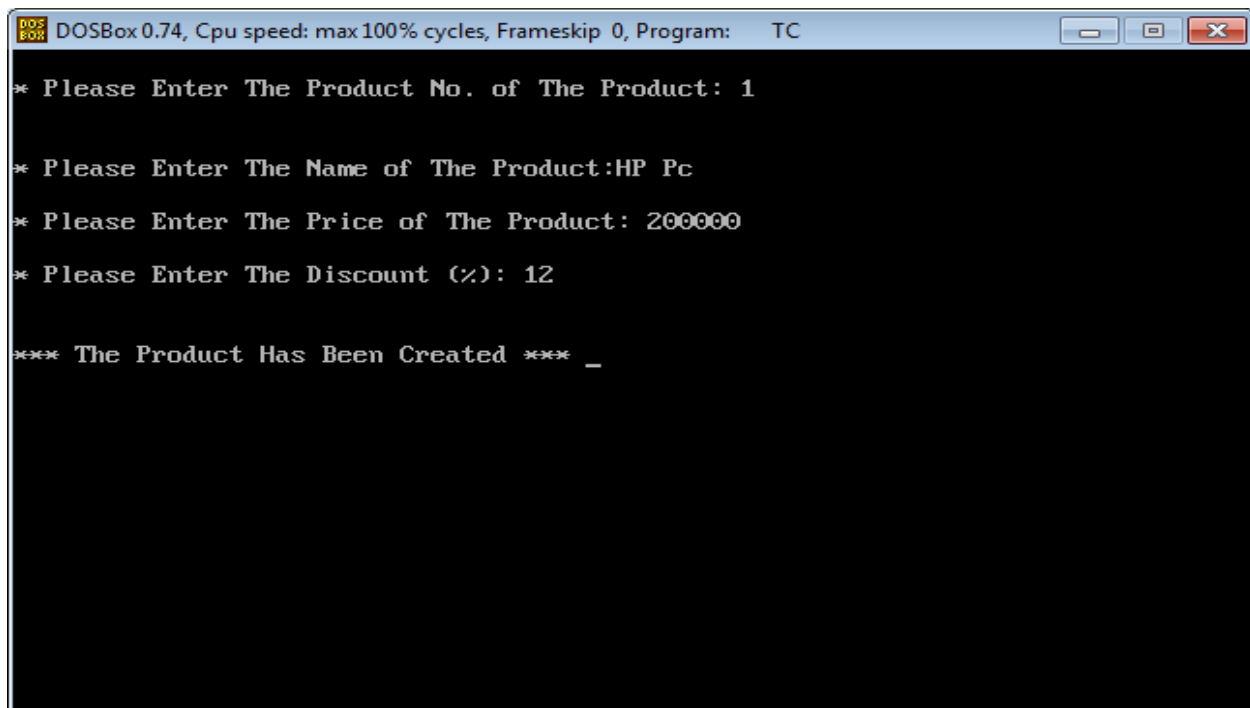
* Please Enter The Name of The Product: Iphone

* Please Enter The Price of The Product: 250000

* Please Enter The Discount (%): 10

*** The Product Has Been Created ***
```

Create Product 2



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

```
* Please Enter The Product No. of The Product: 1

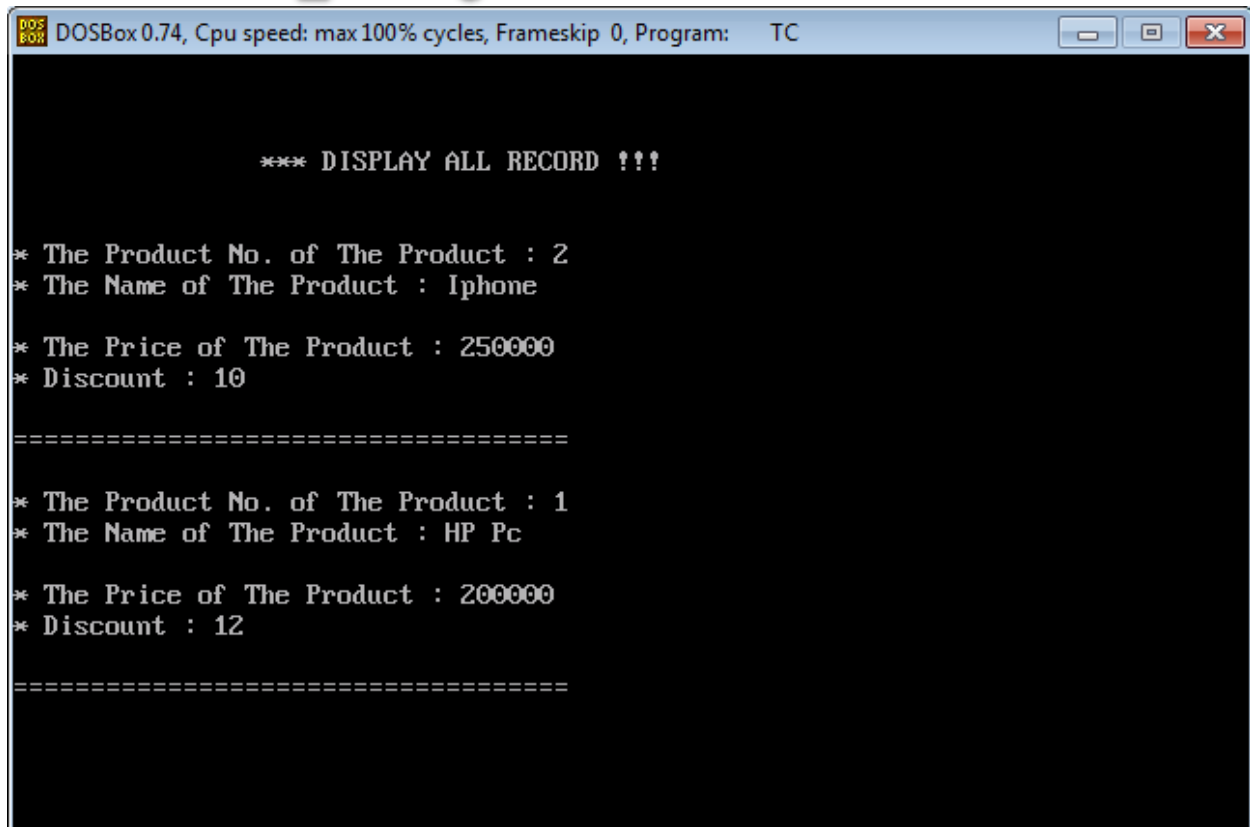
* Please Enter The Name of The Product: HP Pc

* Please Enter The Price of The Product: 200000

* Please Enter The Discount (%): 12

*** The Product Has Been Created *** _
```

Display All Products



DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

```
*** DISPLAY ALL RECORD !!!

* The Product No. of The Product : 2
* The Name of The Product : Iphone

* The Price of The Product : 250000
* Discount : 10

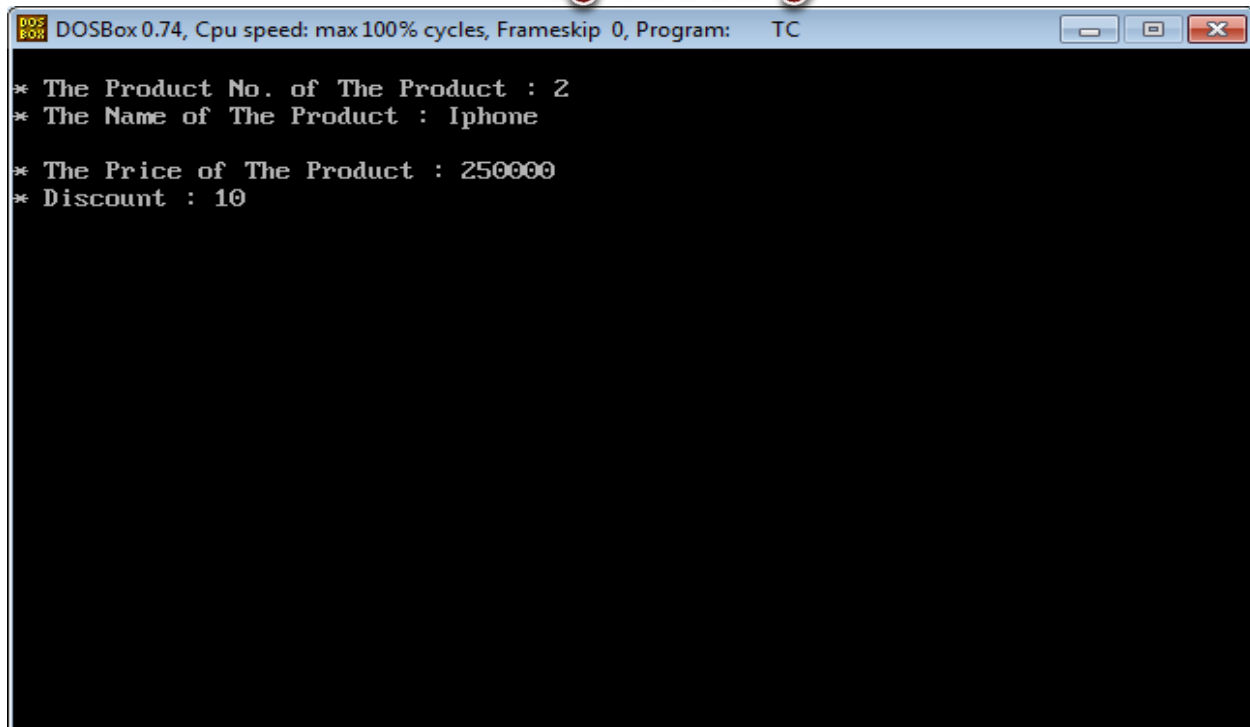
=====

* The Product No. of The Product : 1
* The Name of The Product : HP Pc

* The Price of The Product : 200000
* Discount : 12

=====
```

Quary

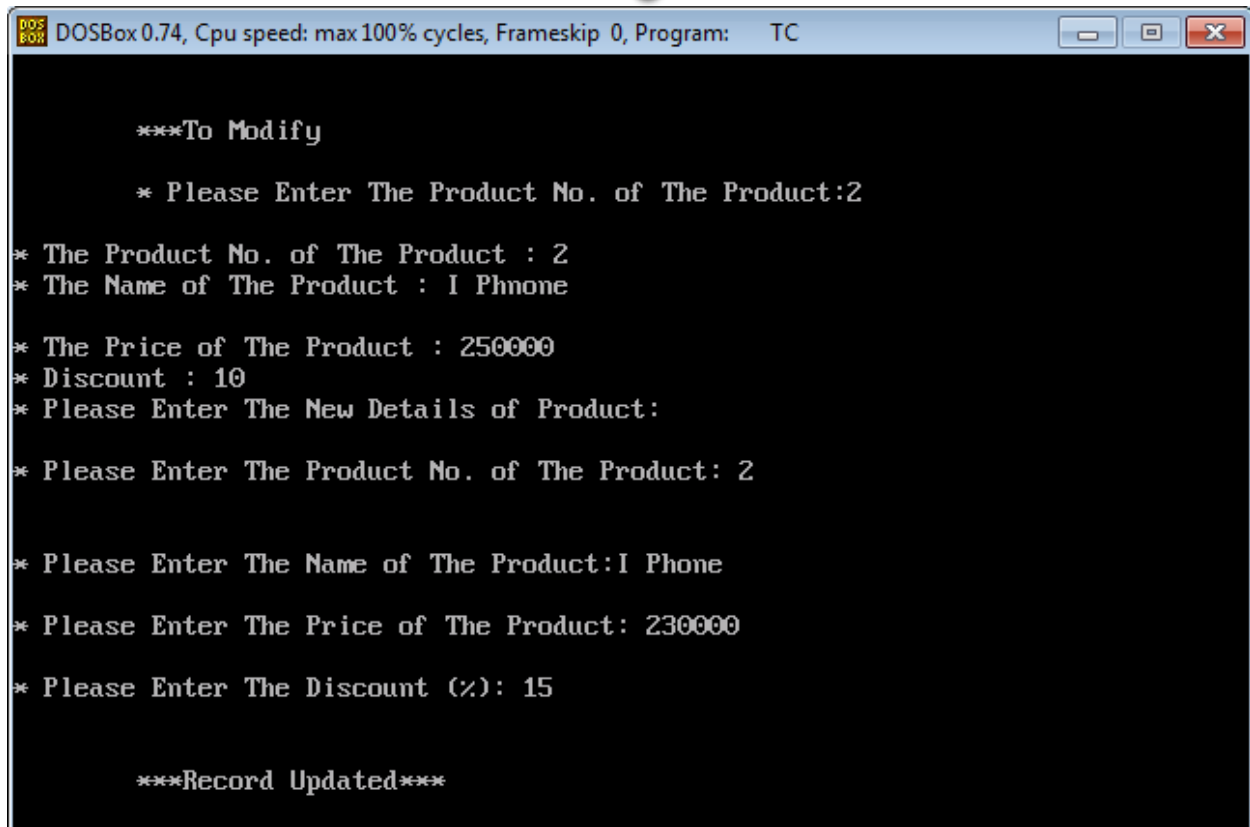


DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

```
* The Product No. of The Product : 2
* The Name of The Product : Iphone

* The Price of The Product : 250000
* Discount : 10
```

Modify Record



```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

***To Modify

* Please Enter The Product No. of The Product:2

* The Product No. of The Product : 2
* The Name of The Product : I Phnone

* The Price of The Product : 250000
* Discount : 10
* Please Enter The New Details of Product:

* Please Enter The Product No. of The Product: 2

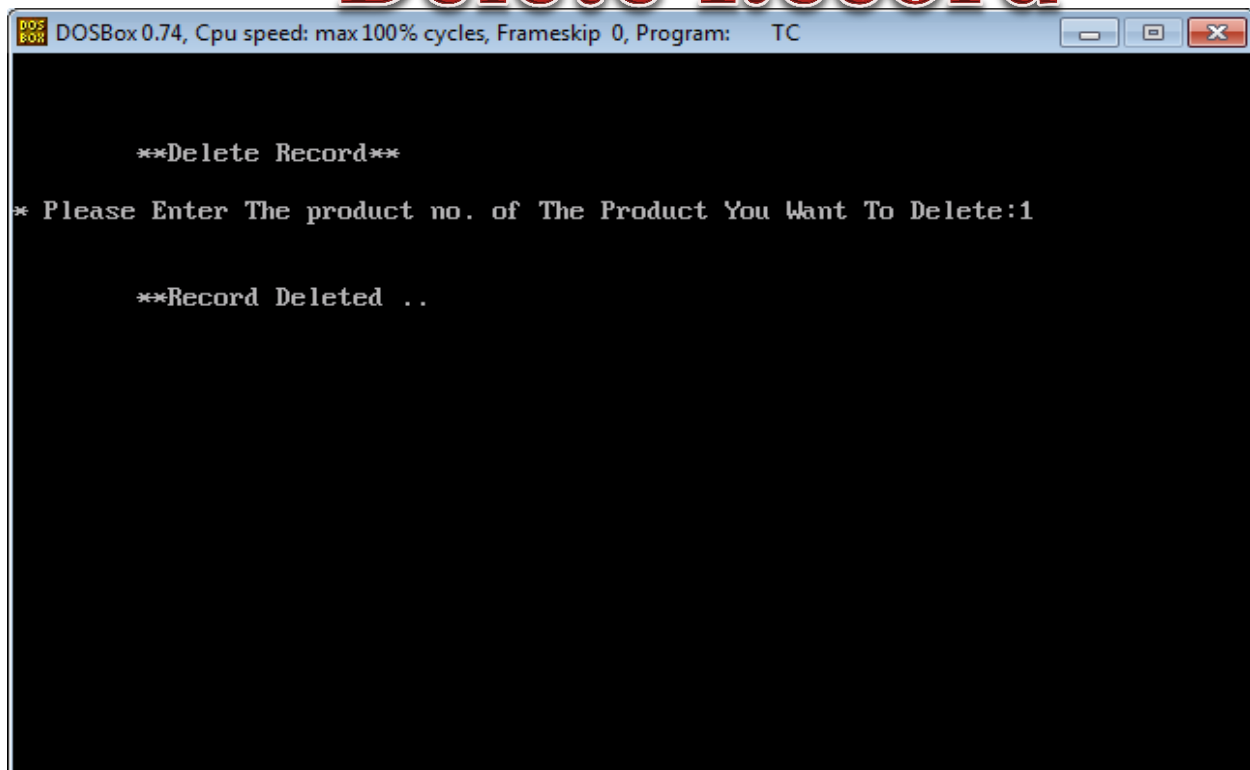
* Please Enter The Name of The Product:I Phone

* Please Enter The Price of The Product: 230000

* Please Enter The Discount (%): 15

***Record Updated***
```

Delete Record



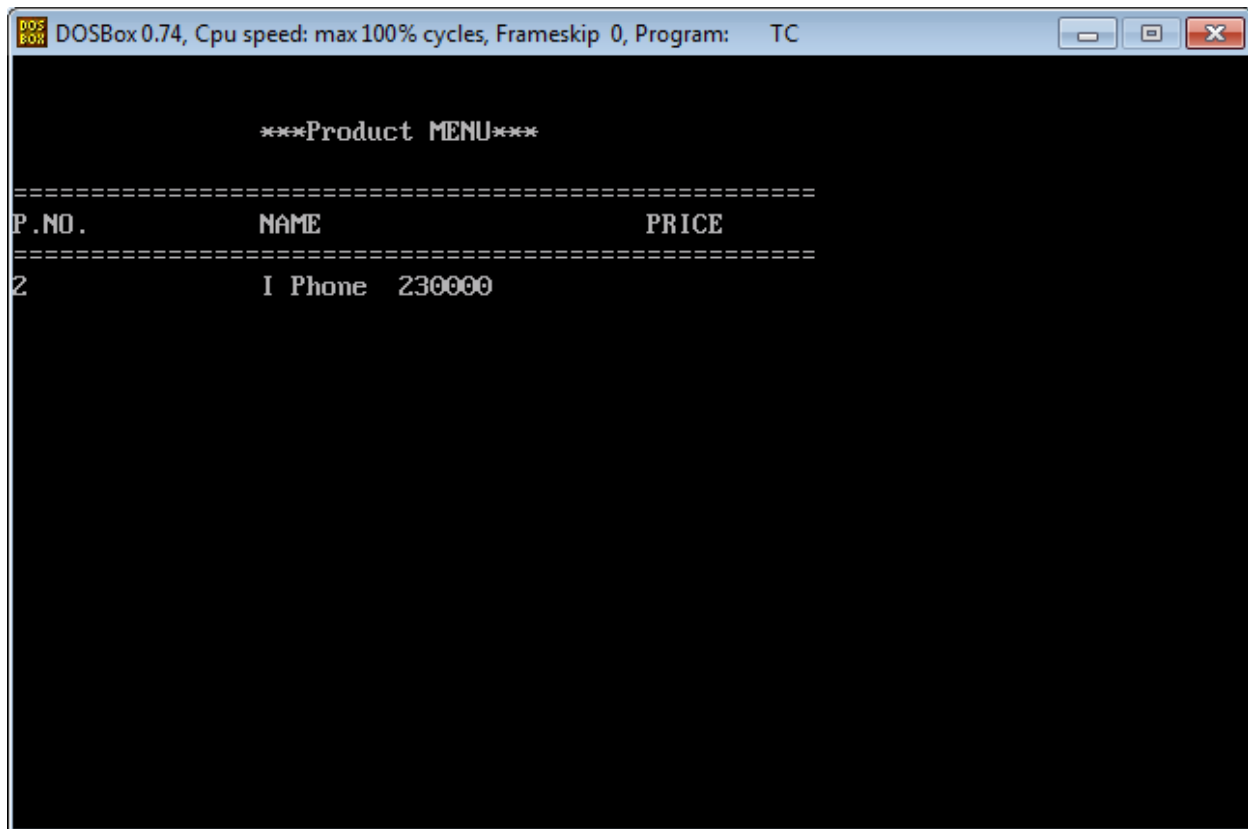
```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

**Delete Record**

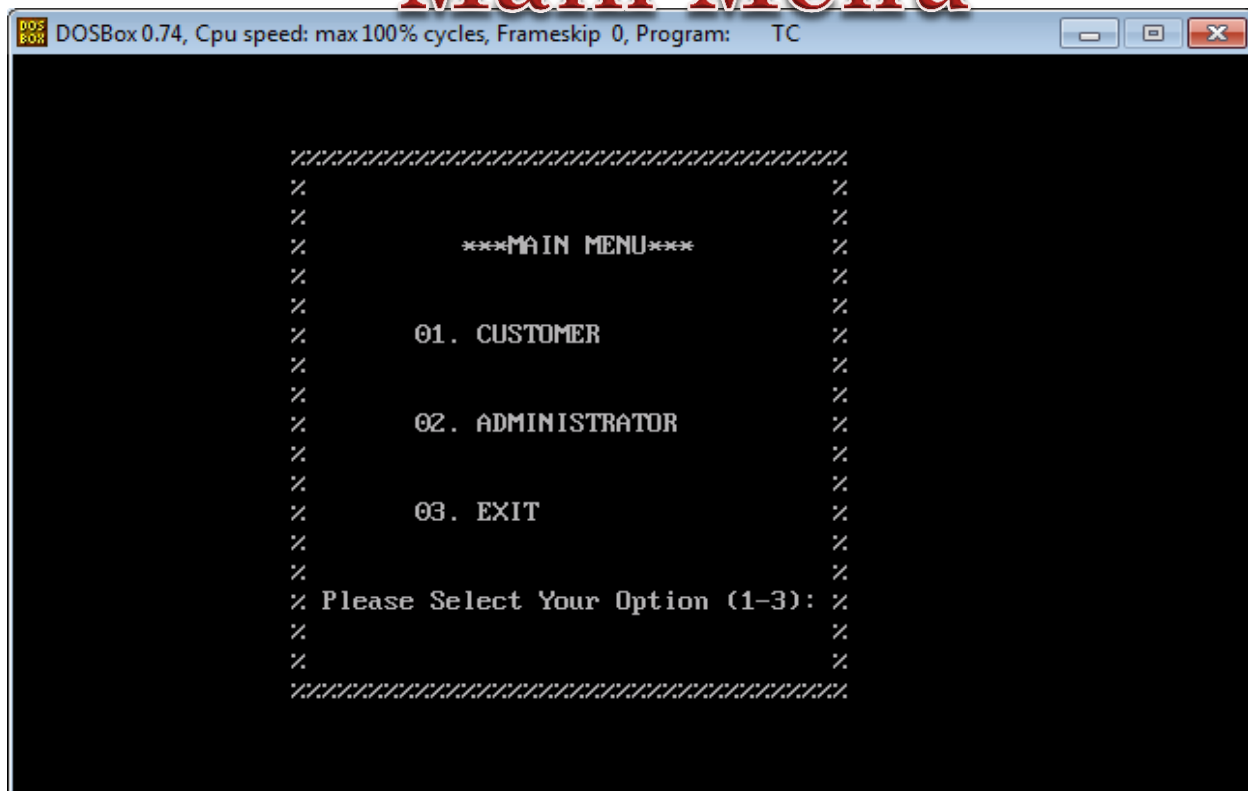
* Please Enter The product no. of The Product You Want To Delete:1

**Record Deleted ..
```

Product Menu



Main Menu



Customer

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

***Product MENU***

=====
P.NO.      NAME      PRICE
=====
2          I Phone  230000

=====
PLACE YOUR ORDER
=====

* Enter The Product No. Of The Product : 2
* Quantity in number : 4
* Do You Want To Order Another Product ? (y/n):n

**Thank You For Placing The Order.....
```

Receipt

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

*****RECIEPT*****

Pr No.  Name      Quantity  Price  Amount  Discounted amount
2       I Phone   4        230000  920000  782000

* TOTAL = 782000_
```

