

```
//          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]

```

}

//      ADMINSTRATOR MENU FUNCTION


void admin_menu()
{
    clrscr();
    char ch2;
    cout<<"\n\n\n";

cout<<"\t\t%%%%%%%%%%%%%%  

"<<endl;
    cout<<"\t\t          ***ADMIN MENU***           %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     1.CREATE PRODUCT                          %"<<endl;

    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     2.DISPLAY ALL PRODUCTS                      %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     3.QUERY                                    %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     4.MODIFY PRODUCT                            %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     5.DELETE PRODUCT                             %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     6.VIEW PRODUCT MENU                         %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     7.BACK TO MAIN MENU                        %"<<endl;
    cout<<"\t\t                                           %"<<endl;
    cout<<"\t\t     *Please Enter Your Choice (1-7)             %"<<endl;
    cout<<"\t\t                                           %"<<endl;

cout<<"\t\t%%%%%%%%%%%%%%  

"<<endl;
    ch2=getche();
    switch(ch2)
    {
        case '1': clrscr();
                    write_product();
                    break;
        case '2': display_all();break;
        case '3':
            int num;
            clrscr();
            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');

}

//

```

# Welcome

[illegible]

```

$$$$$$$$$  $$$$$$
      $$      $  $
      $$      $$$$$$

```

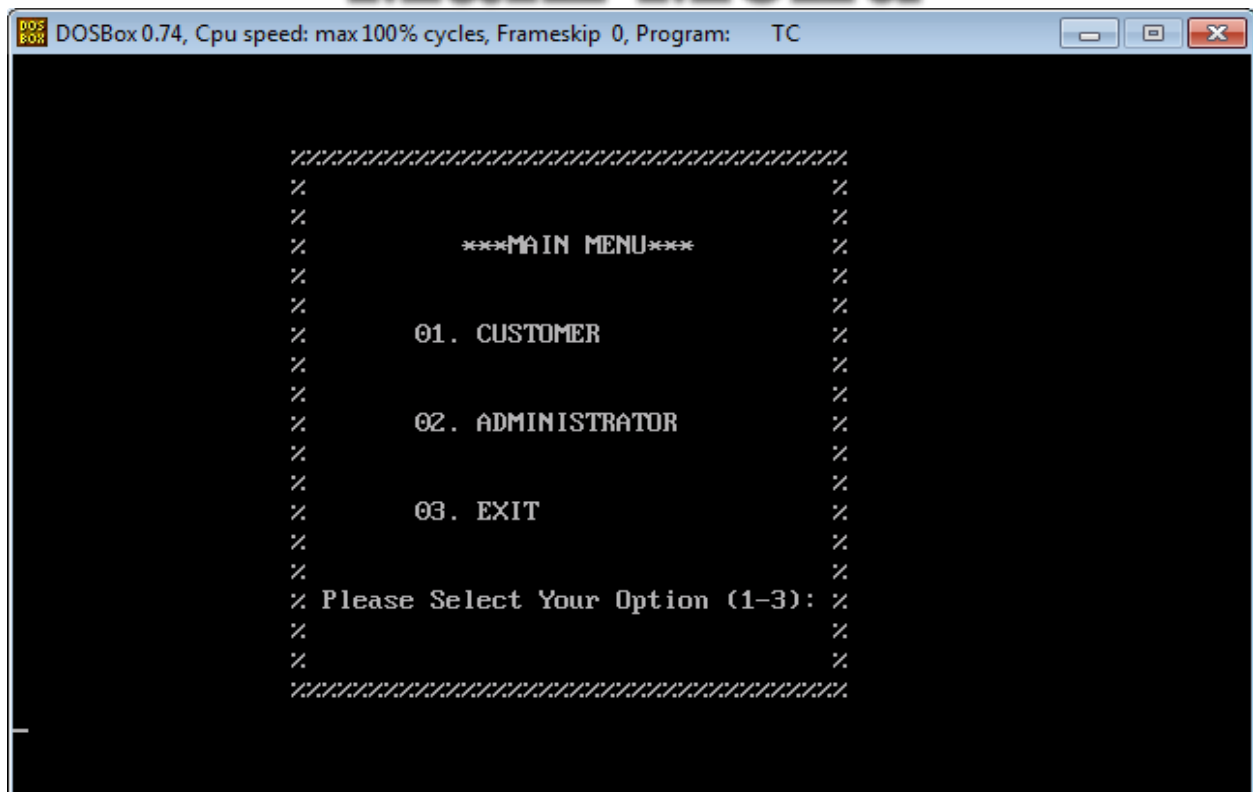
\*\*\*\*\* SHOP MANAGEMENT SYSTEM \*\*\*\*\*

**BY :-**

\* Ashish Kudiya1 (DELHI TECHNOLOGICAL UNIVERSITY)

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

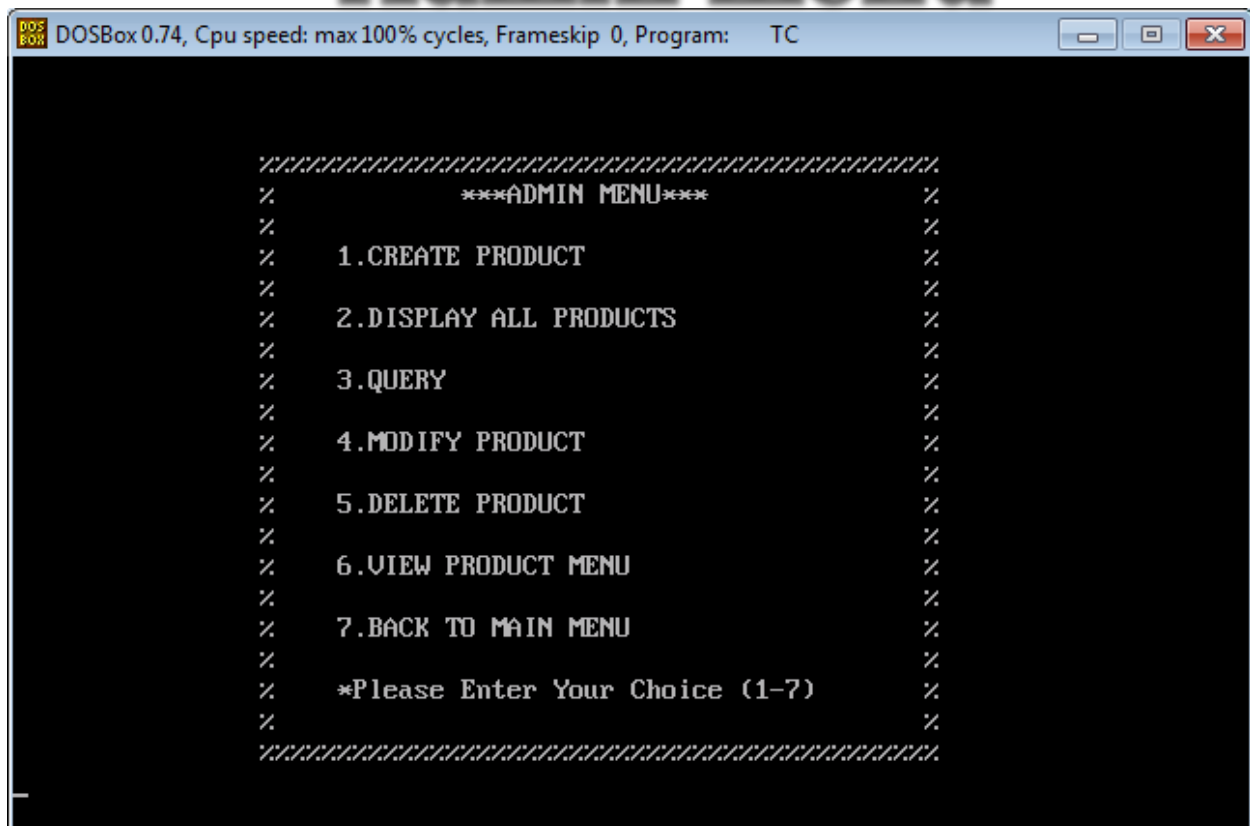
# Main Menu



# Verifying Name & Password

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

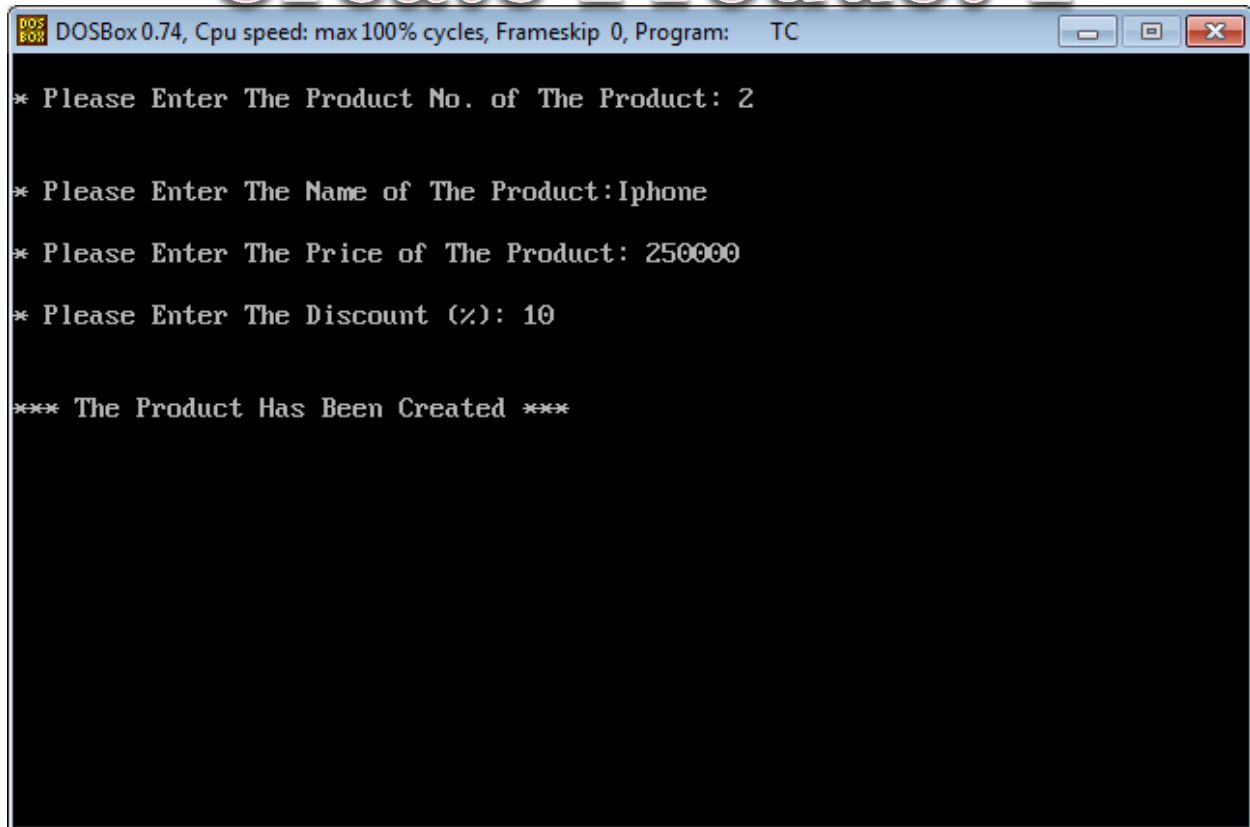
## Admin menu



The screenshot shows a DOSBox window titled "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 border of slashes (/) and has a title "\*\*\*ADMIN MENU\*\*\*". It lists seven options: 1.CREATE PRODUCT, 2.DISPLAY ALL PRODUCTS, 3.QUERY, 4.MODIFY PRODUCT, 5.DELETE PRODUCT, 6.VIEW PRODUCT MENU, and 7.BACK TO MAIN MENU. At the bottom, it prompts the user to "Please Enter Your Choice (1-7)".

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC  
  
/-----/  
%          ***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: max100% cycles, Frameskip 0, Program: TC

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

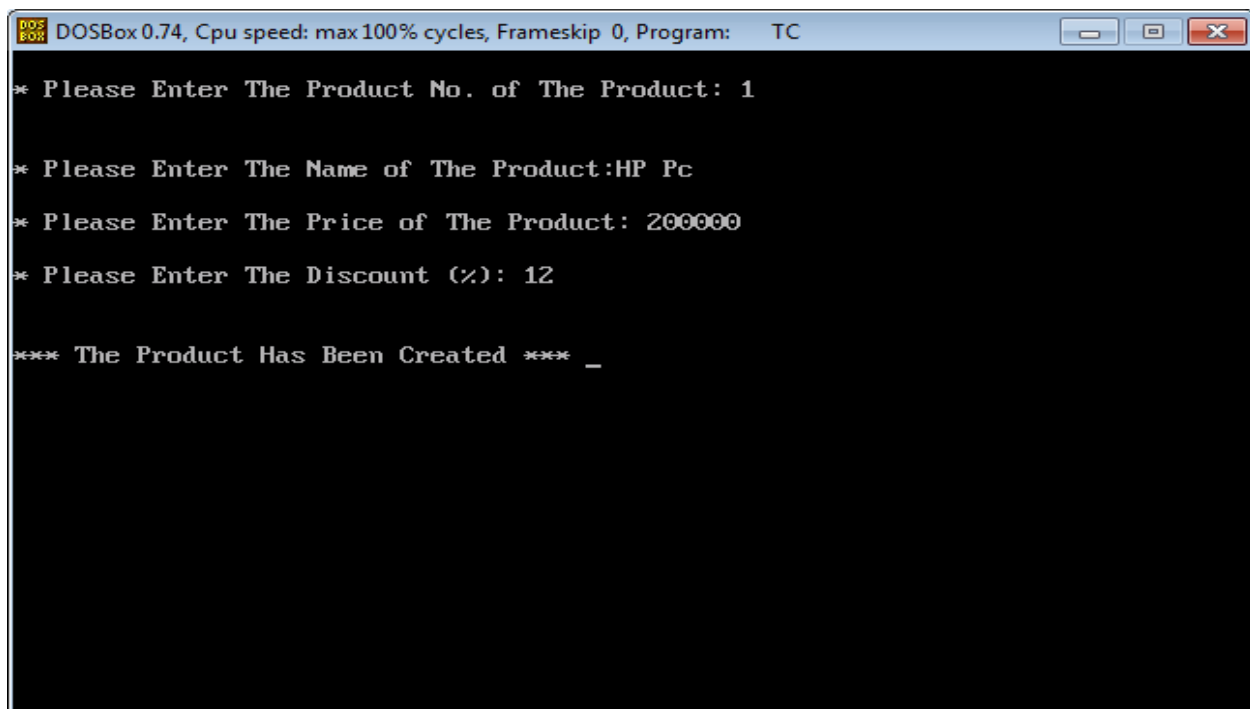
* Please Enter The Name of The Product:Iphone

* 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: max100% cycles, Frameskip 0, Program: TC

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

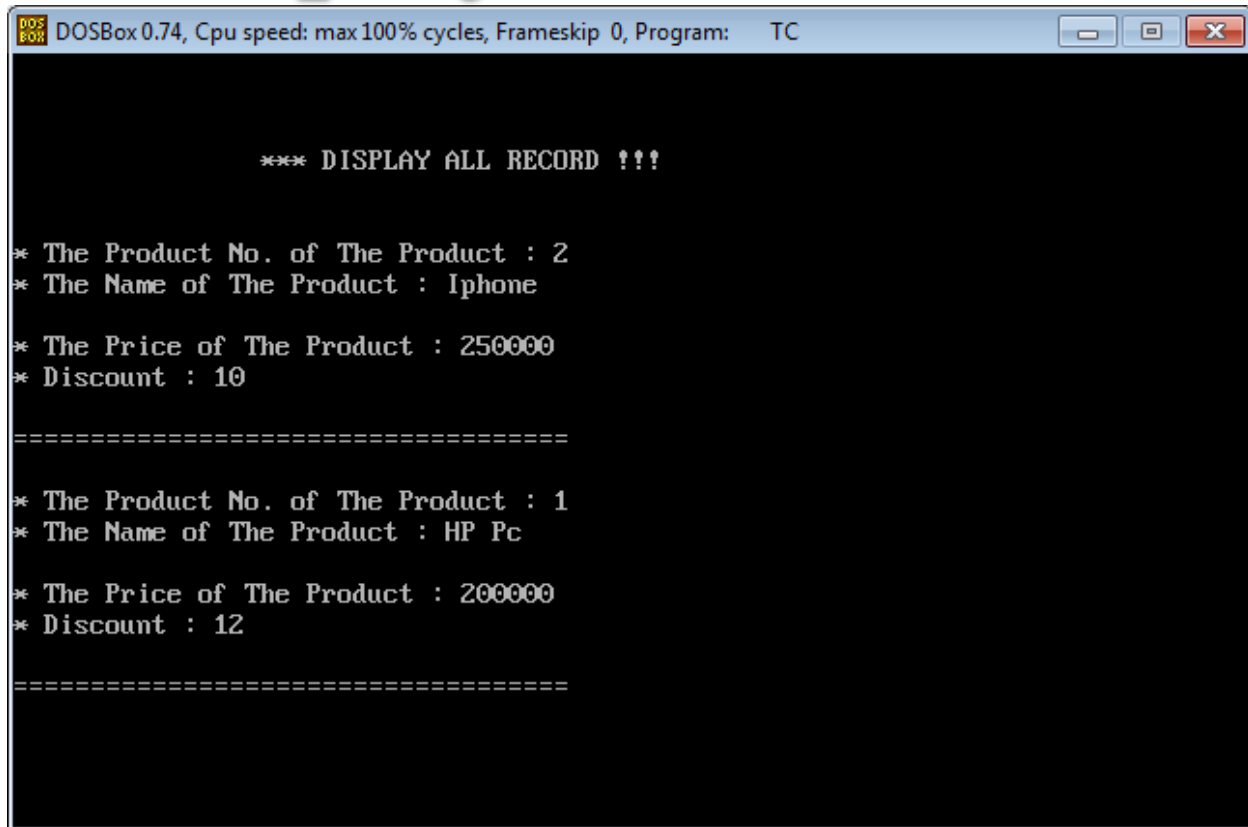
* Please Enter The Name of The Product:HP Pc

* Please Enter The Price of The Product: 200000

* Please Enter The Discount (%): 12

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

# Display All Products

A screenshot of a DOSBox window titled "DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC". The window displays a text-based interface with a black background and white text. At the top, it says "\*\*\* DISPLAY ALL RECORD !!!". Below this, there are two sets of product information, each preceded by an asterisk. The first set is for Product No. 2, named "Iphone", with a price of 250000 and a discount of 10. This is followed by a line of 15 equals signs. The second set is for Product No. 1, named "HP Pc", with a price of 200000 and a discount of 12. This is also followed by a line of 15 equals signs.

```
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

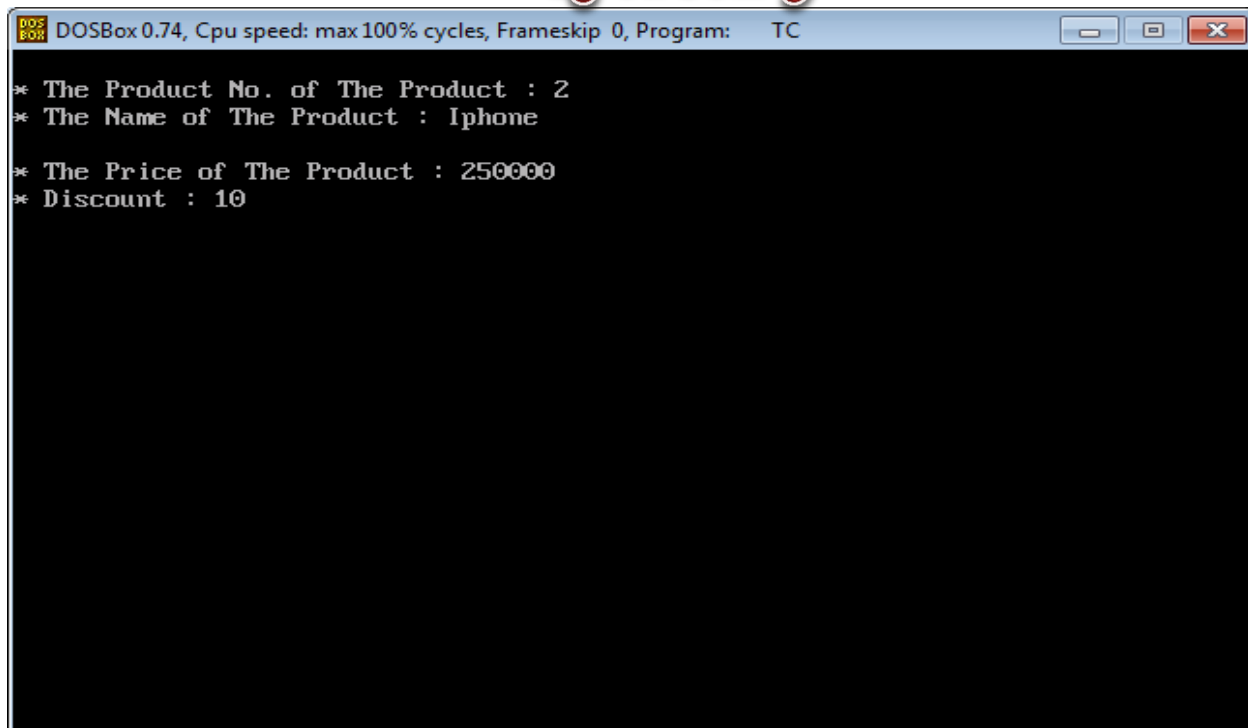
=====

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

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

=====
```

## Quary

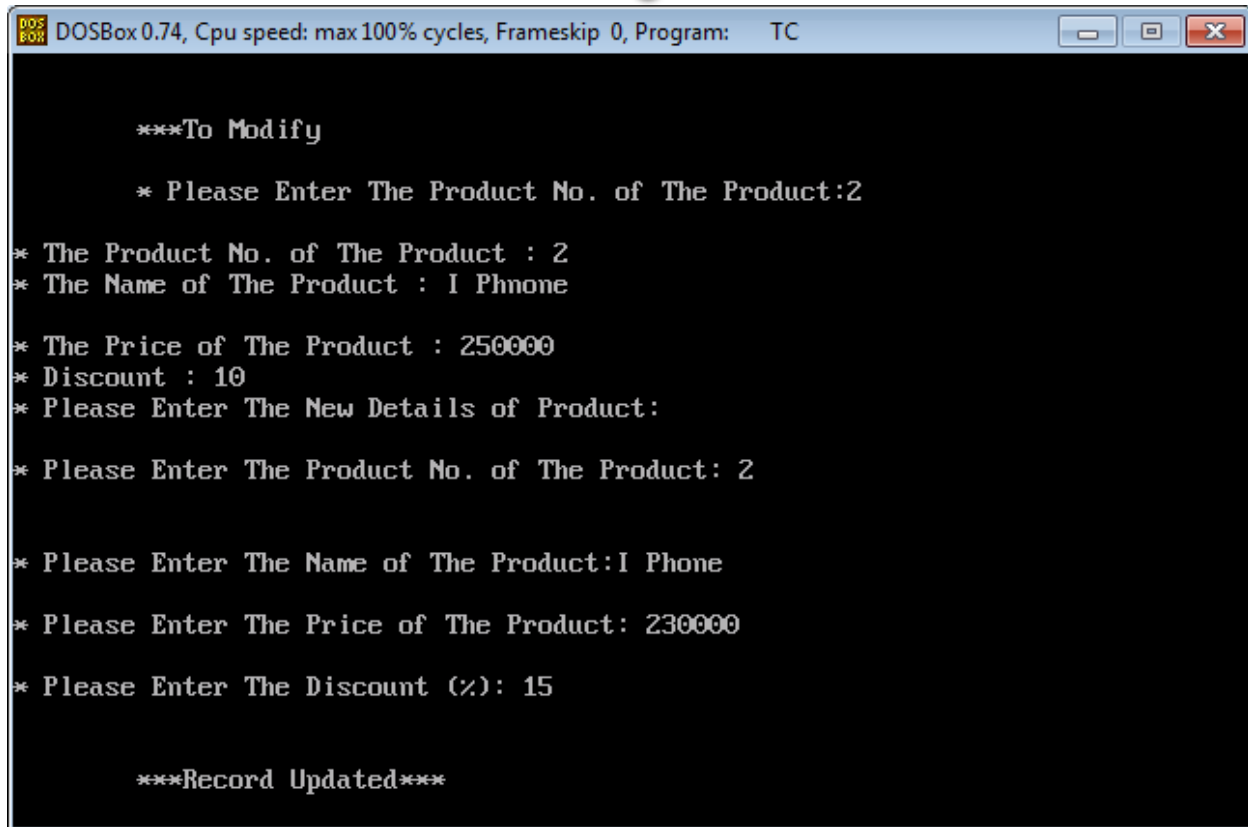
A screenshot of a DOSBox window titled "DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC". The window displays a text-based interface with a black background and white text. It shows the first set of product information from the previous window: Product No. 2, named "Iphone", with a price of 250000 and a discount of 10. The rest of the window is empty.

```
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

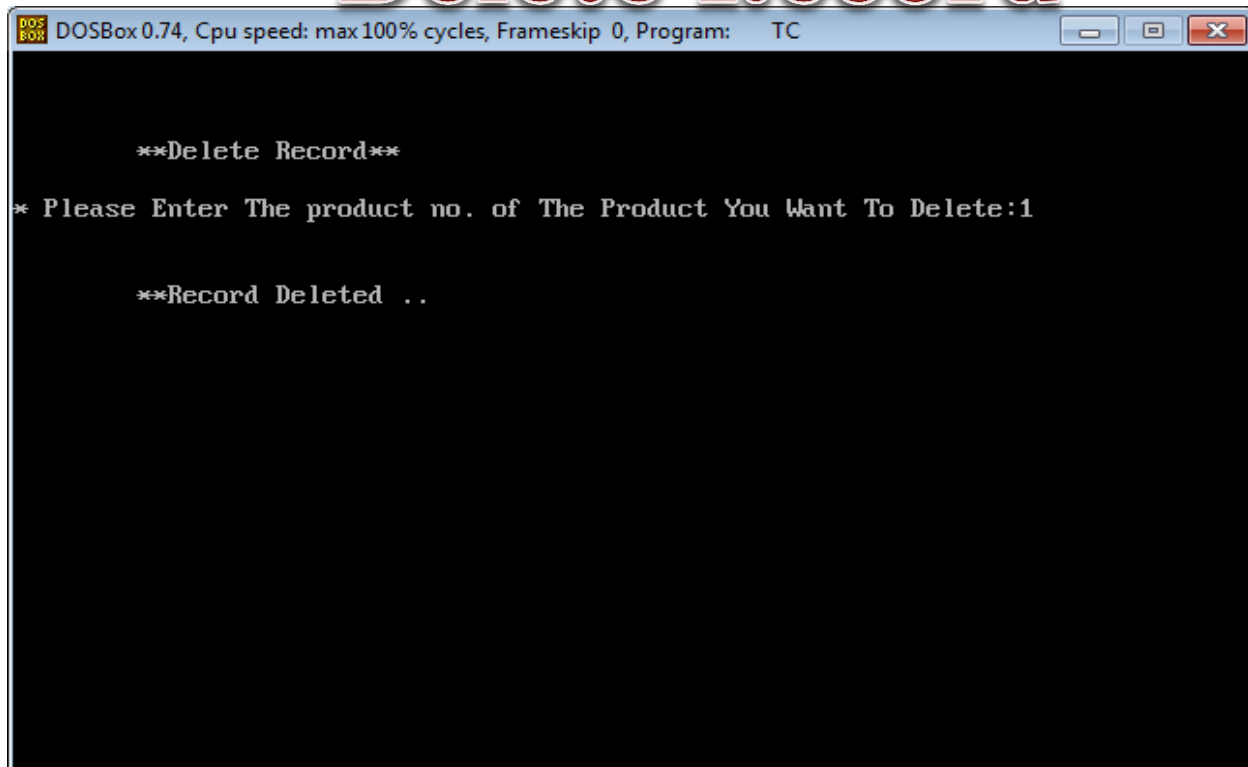
* The Product No. of The Product : 2
* The Name of The Product : I Phnone
* The Price of The Product : 250000
* Discount : 10
* Please Enter The New Details of Product:

* 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



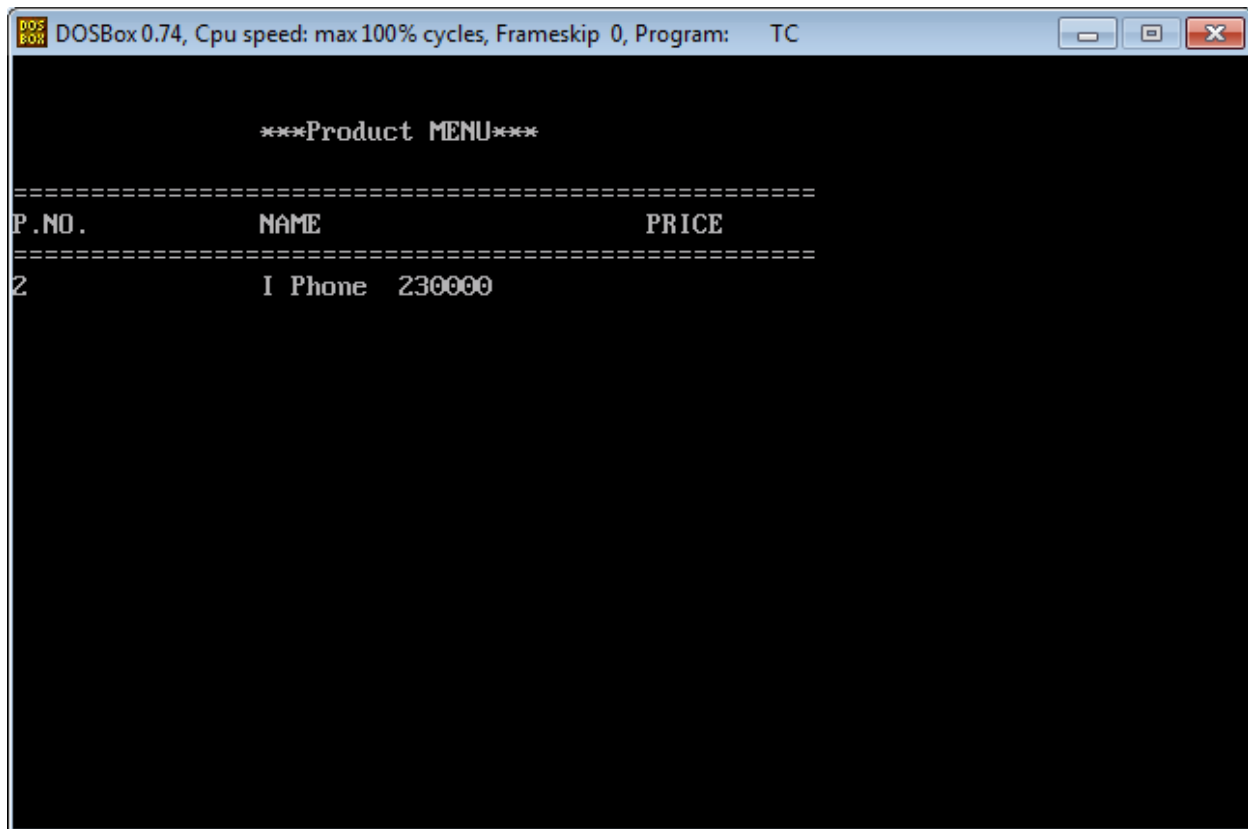
```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip 0, Program: TC

**Delete Record**

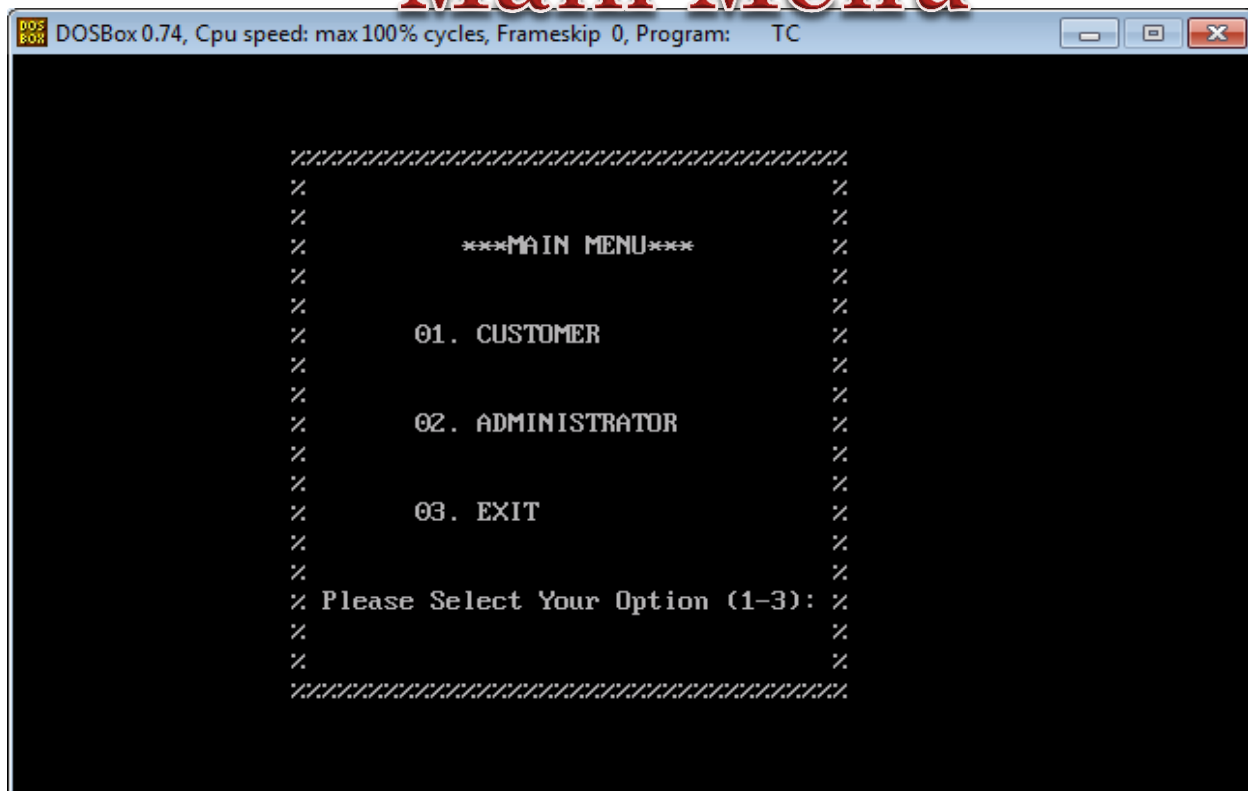
* Please Enter The product no. of The Product You Want To Delete:1

**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_
```

