


```

        cout << "\t\t\t\t\t<3>          black forest cake      1 pound/RS 2000    2 pound/RS
2500"<< endl;

        cout << "\t\t\t\t\t<4>          coffee cake          1 pound/RS 1250    2 pound/RS 1750"<<
endl;

        cout << "\t\t\t\t\t<5>          cheesecake          1 pound/RS 1700    2 pound/RS 2300"<<
endl;

        cout << "\t\t\t\t\t<6>          kitkat cake          1 pound/RS 1850    2 pound/RS 2450"<<
endl;

        cout << "\t\t\t\t\t<7>          choclate lava cake    1 pound/RS 1800    2 pound/RS
2400"<< endl;

        cout << "\t\t\t\t\t<8>          marble cake          1 pound/RS 1100    2 pound/RS 1600"<<
endl<< endl<< endl;

        cout<<"\n\t\t\t\t\t***enhance the taste of your buds by freshly made juicy, creamy and yummy
cakes***"<< endl;

        cout<< endl<< endl;

        cout << "\t\t\t\t\tt-----" << endl;

        cout << "\t\t\t\t\ttPress any key to continue...";

```

```

    getch();
}

```

```

// Base abstract class

```

```

class empty {
public:
    virtual void order() = 0;
};

```

```

// Base class for customer/admin shared fields

```

```

class declaration : public empty {
public:
    string ID, name, age, gender, address, contact, cake, prize, ord_no, ord_type, pound;

```

```
void order() {}  
};  
  
// Customer class  
class customer : public declaration {  
public:  
    declaration m[10];  
    string back;  
    int status1;  
  
    void get_data();  
  
void show_data();  
  
void order();  
  
void edit();  
  
void delet();  
  
void alldata();};  
  
void customer::get_data()  
{system("color E0");  
system("cls");  
cout << endl<< endl<< endl<< endl<< endl<< endl<< endl<< endl<< endl<< endl<;  
cout<<"\t\t\t\t\tFill the entries";  
cout << endl<< endl<;  
getline(cin, m[cid].name);
```

```

cout << "\t\t\t\t\tID\t\t\t\t\t: ";
getline(cin, m[cid].ID);
cout << endl<< endl;
cout << "\t\t\t\t\tName\t\t\t\t\t: ";
getline(cin, m[cid].name);
cout << endl<< endl;
cout << "\t\t\t\t\tAge\t\t\t\t\t: ";
getline(cin, m[cid].age);
cout << endl<< endl;
cout << "\t\t\t\t\tGender\t\t\t\t\t: ";
getline(cin, m[cid].gender);
cout << endl<< endl;
cout << "\t\t\t\t\tAddress\t\t\t\t\t: ";
getline(cin, m[cid].address);
cout << endl<< endl;
cout << "\t\t\t\t\tContact\t\t\t\t\t: ";
getline(cin, m[cid].contact);
cout << endl<< endl;
back:
cout << endl<< endl;
cout << "\t\t\t\t\tProceed Forward[Y/y] \t\t\t\t\t: ";
cin >> back;
if (back == "Y" || back == "y")
{cout << endl<< endl;
cout << "\t\t\t\t\tYou filled all Entries of customer successfully...";
getch();}
else
{cout << "\n\t\t\t\t\tWrong Input";
goto back;}}

```

```
void customer::show_data()

{system("color E0");

system("cls");


string n;

cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tEnter the CUSTOMER ID  to display Record:";

};

cin >> n;

system("cls");

if (n == "0")

{system("cls");

cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\ttOOPS!!!!" << endl;

cout << "\t\t\t\t\t\t\tNote: No Record To Display Plz Go Back And Enter Some Entries...";}

else

{int i;

for (i = 0; i < cid; i++)

{status1 = 0;

if (n == m[i].ID)

{status1 = 1; //here 1 is considered as bool true

break;}}

if (status1)

{cout << "\n\n\n\n\n\n\n\n\n\n\n";

cout << "\t\t\t\t\t\t\t-----" << endl<< endl;

cout << "\t\t\t\t\t\t\tID                :" << m[i].ID << endl<< endl;

cout << "\t\t\t\t\t\t\tName              :" << m[i].name << endl<< endl;

cout << "\t\t\t\t\t\t\tAge               :" << m[i].age << endl<< endl;

cout << "\t\t\t\t\t\t\tGender            :" << m[i].gender << endl<< endl;

cout << "\t\t\t\t\t\t\tAddress           :" << m[i].address << endl<< endl;

cout << "\t\t\t\t\t\t\tContact          :" << m[i].contact << endl<< endl;
```

[illegible]

```
cout << "\t\t\t\t\t-----" << endl<< endl;

cout << "\t\t\t\t\tPress any key to continue...";

getch();

cout << endl<< endl;

cout << "\t\t\t\t\tEnter Your Choice:   ";

cin >> ord;

if (ord == "1")

{m[cid].ord_no = "\t\t\t\t\tt1-";

cout<<m[cid].ord_no;

m[cid].cake = " red velvet cake";

cout<<m[cid].cake<<endl;

p:

cout << "\t\t\t\t\tEnter Pounds:   ";

cin>>pound;

{if(pound=="1")

{cout<<"\t\t\t\t\tt1 pound"<<endl;

m[cid].prize = "1500";

cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;

cout << "\t\t\t\t\tPress any key to continue...";

getch();}

else if (pound=="2")

{cout<<"\t\t\t\t\tt2 pound"<<endl;

m[cid].prize = "2000";

cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;

cout << "\t\t\t\t\tPress any key to continue..."<<endl;

getch();}

else

{cout<<"\t\t\t\t\ttno such pound cake available"<<endl;

cout << "\t\t\t\t\tPress any key to continue..."<<endl;
```


[illegible]

```

cout<<m[cid].ord_no;
m[cid].cake = " black forest cake";
cout<<m[cid].cake<<endl;
u:
cout << "\t\t\t\t\tEnter Pounds:  ";
cin>>pound;
{if(pound=="1")
{cout<<"\t\t\t\t\t1 pound"<<endl;
m[cid].prize = "2000";
cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\tPress any key to continue...";
getch();}
else if (pound=="2")
{cout<<"\t\t\t\t\t2 pound"<<endl;
m[cid].prize = "2500";
cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\tPress any key to continue..."<<endl;
getch();}else
{cout<<"\t\t\t\t\ttno such pound cake available"<<endl;
cout << "\t\t\t\t\tPress any key to continue..."<<endl;
getch();
goto u;}}}
else if (ord == "4")
{m[cid].ord_no = "\t\t\t\t\t4-";
cout<<m[cid].ord_no;
m[cid].cake = " coffee cake";
cout<<m[cid].cake<<endl;
n:
cout << "\t\t\t\t\tEnter Pounds:  ";

```

```

cin>>pound;

if(pound=="1")

{cout<<"\t\t\t\t\t1 pound"<<endl;

m[cid].prize = "1250";

cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;

cout << "\t\t\t\t\tPress any key to continue...";

getch();}

else if (pound=="2")

{cout<<"\t\t\t\t\t2 pound"<<endl;

m[cid].prize = "1750";

cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;

cout << "\t\t\t\t\tPress any key to continue..."<<endl;

getch();}

else

{cout<<"\t\t\t\t\ttno such pound cake available"<<endl;

cout << "\t\t\t\t\tPress any key to continue..."<<endl;

getch();

goto n;}}}

else if (ord == "5")

{m[cid].ord_no = "\t\t\t\t\t5-";

cout<<m[cid].ord_no;

m[cid].cake = " cheese cake";

cout<<m[cid].cake<<endl;

d:

{cout << "\t\t\t\t\tEnter Pounds:  ";

cin>>pound;

if(pound=="1")

{cout<<"\t\t\t\t\t1 pound"<<endl;

m[cid].prize = "1700";

```

```

cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\tPress any key to continue...";
getch();}
else if (pound=="2")
{cout<<"\t\t\t\t\t2 pound"<<endl;
m[cid].prize = "2300";
cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\tPress any key to continue..."<<endl;
getch();}else
{cout<<"\t\t\t\t\ttno such pound cake available"<<endl;
cout << "\t\t\t\t\tPress any key to continue..."<<endl;
getch();goto d;}}}}
else if (ord == "6")
{m[cid].ord_no = "\t\t\t\t\t6-";
cout<<m[cid].ord_no;
m[cid].cake = " kitkat cake";
cout<<m[cid].cake<<endl;
e:
cout << "\t\t\t\t\tEnter Pounds:  ";
cin>>pound;
{if(pound=="1")
{cout<<"\t\t\t\t\t1 pound"<<endl;
m[cid].prize = "1850";
cout<<"\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\tPress any key to continue...";
getch();}
else if (pound=="2")
{cout<<"\t\t\t\t\t2 pound"<<endl;
m[cid].prize = "2450";

```

```
cout<<"\t\t\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
getch();}else
{cout<<"\t\t\t\t\t\t\ttno such pound cake available"<<endl;
cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
getch();
goto e;}}
else if (ord == "7")
{m[cid].ord_no = "\t\t\t\t\t\t\t7-";
cout<<m[cid].ord_no;
m[cid].cake = " chocolate lava cake";
cout<<m[cid].cake<<endl;
f:
cin>>pound;
cout << "\t\t\t\t\t\t\tEnter Pounds:  ";
cin>>pound;
{if(pound=="1")
{cout<<"\t\t\t\t\t\t\t1 pound"<<endl;
m[cid].prize = "1800";
cout<<"\t\t\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
getch();}
else if (pound=="2")
{cout<<"\t\t\t\t\t\t\t2 pound"<<endl;
m[cid].prize = "2400";
cout<<"\t\t\t\t\t\t\tRS "<<m[cid].prize<<endl;
cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
getch();}else
{cout<<"\t\t\t\t\t\t\ttno such pound cake available"<<endl;
```

[illegible]

```
cout << "\t\t\t\t\tPress any key to choose another option...";
getch();
goto above;}}
```

```
void customer::edit()
{system("color E0");

system("cls");

string n;

cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tEnter the customer's ID to display Record: ";

cin >> n;

system("cls");

if (n == "0")

{system("cls");

cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tOOPS!!!!" << endl;

cout << "\t\t\t\t\tNote: No Record To Display Plz Go Back And Enter Some Entries...";}

else

{      int i;

        for (i = 0; i < cid; i++)

            {status1 = 0;

                if (n == m[i].ID)

                    {status1 = 1; //here 1 is considered as bool true

                        break;} }

        if (status1)

            {system("cls");

                cout << endl<< endl<< endl;

                    cout << "\t\t\t\t\tMention a customer id : ";

                    cin.ignore();

                    getline(cin, m[i].ID);

                    cout << endl<< endl;
```

```

        cout << "\t\t\t\t\t\t\tName          : ";
        getline(cin, m[i].name);

        cout << endl<< endl;

        cout << "\t\t\t\t\t\t\tAge           : ";
        getline(cin, m[i].age);

        cout << endl<< endl;

        cout << "\t\t\t\t\t\t\tGender         : ";
        getline(cin, m[i].gender);

        cout << endl<< endl;

        cout << "\t\t\t\t\t\t\tAddress        : ";
        getline(cin, m[i].address);

        cout << endl<< endl;

        cout << "\t\t\t\t\t\t\tContact       : ";
        getline(cin, m[i].contact);

        menu();

        string ord;

    above2:

        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Select Your Order ***" << endl<< endl;

        cout << "\t\t\t\t\t\t\t\t-----" << endl<< endl;

        cout << "\t\t\t\t\t\t\tNumber count      Cakes              size/price      size/price" <<
endl<< endl;

        cout << "\t\t\t\t\t\t\t<1>                red velvet cake      1 pound/RS 1500   2 pound/RS 2000"<<
endl;

        cout << "\t\t\t\t\t\t\t<2>                pineapple cake      1 pound/RS 1200   2 pound/RS
1700"<< endl;

        cout << "\t\t\t\t\t\t\t<3>                black forest cake     1 pound/RS 2000   2 pound/RS
2500"<< endl;

        cout << "\t\t\t\t\t\t\t<4>                coffee cake          1 pound/RS 1250   2 pound/RS 1750"<<
endl;

```



```

cout << "\\t\\t\\t\\t\\t<5>          cheesecake          1 pound/RS 1700    2 pound/RS 2300"<<
endl;

cout << "\\t\\t\\t\\t\\t<6>          kitkat cake          1 pound/RS 1850    2 pound/RS 2450"<<
endl;

cout << "\\t\\t\\t\\t\\t<7>          choclata lava cake    1 pound/RS 1800    2 pound/RS
2400"<< endl;

cout << "\\t\\t\\t\\t\\t<8>          marble cake          1 pound/RS 1100    2 pound/RS 1600"<< endl<<
endl<< endl<< endl;

cout << "\\t\\t\\t\\t\\t\\t\\t-----" << endl<< endl;

cout << "\\t\\t\\t\\t\\t\\t\\tPress any key to continue...";

getch();

cout << endl<< endl;

cout << "\\t\\t\\t\\t\\t\\t\\tEnter Your Choice:  ";

cin >> ord;

if (ord == "1")

{m[i].ord_no = "\\t\\t\\t\\t\\t\\t\\t1-";

cout<<m[i].ord_no;

m[i].cake = " red velvet cake";

cout<<m[i].cake<<endl;

    p:

        cout << "\\t\\t\\t\\t\\t\\t\\tEnter Pounds:  ";

        cin>>pound;

        {if(pound=="1")

        {cout<<"\\t\\t\\t\\t\\t\\t\\t1 pound"<<endl;

        m[i].prize = "1500";

        cout<<"\\t\\t\\t\\t\\t\\t\\tRS "<<m[i].prize<<endl;

        cout << "\\t\\t\\t\\t\\t\\t\\tPress any key to continue...";

        getch();}

        else if (pound=="2")

        {cout<<"\\t\\t\\t\\t\\t\\t\\t2 pound"<<endl;

```

```

        m[i].prize = "2000";
        cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;
        cout << "\t\t\t\t\tPress any key to continue..."<<endl;
    getch();
    }else
    {cout<<"\t\t\t\t\ttno such pound cake available"<<endl;
        cout << "\t\t\t\t\tPress any key to continue..."<<endl;
    getch();
        goto p;}}}
else if (ord == "2")
{
    m[i].ord_no = "\t\t\t\t\t2-";
    cout<<m[i].ord_no;
    m[i].cake = " pineapple cake";
        cout<<m[i].cake<<endl;
        o:
        cout << "\t\t\t\t\tEnter Pounds:  ";
            cin>>pound;
            {if(pound=="1")
            {cout<<"\t\t\t\t\t1 pound"<<endl;
                m[i].prize = "1200";
                cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;
                cout << "\t\t\t\t\tPress any key to continue...";
            getch();}
            else if (pound=="2")
            {cout<<"\t\t\t\t\t2 pound"<<endl;
                m[i].prize = "1700";
                cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;
                cout << "\t\t\t\t\tPress any key to continue..."<<endl;
            getch();}else

```

```
{cout<<"\t\t\t\t\ttno such pound cake available"<<endl;

    cout << "\t\t\t\t\tPress any key to continue..."<<endl;

    getch();goto o;}}

else if (ord == "3")

{m[i].ord_no = "\t\t\t\t\t3-";

cout<<m[i].ord_no;

m[i].cake = " black forest cake";

    cout<<m[i].cake<<endl;

        u:

    cout << "\t\t\t\t\tEnter Pounds:   ";

            cin>>pound;

        {if(pound=="1")

            {cout<<"\t\t\t\t\t1 pound"<<endl;

                m[i].prize = "2000";

                cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

                cout << "\t\t\t\t\tPress any key to continue...";

                getch();}

            else if (pound=="2")

                {cout<<"\t\t\t\t\t2 pound"<<endl;

                    m[i].prize = "2500";

                    cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

                    cout << "\t\t\t\t\tPress any key to continue..."<<endl;

                    getch();

                        }else

                            {cout<<"\t\t\t\t\ttno such pound cake available"<<endl;

                                cout << "\t\t\t\t\tPress any key to continue..."<<endl;

                                    getch();goto o;}}}

else if (ord == "4")

    {        m[i].ord_no = "\t\t\t\t\t4-";
```

```

        cout<<m[i].ord_no;

        m[i].cake = " coffee cake";

        cout<<m[i].cake<<endl;

n:
    cout << "\t\t\t\t\tEnter Pounds:  ";

        cin>>pound;

    {if(pound=="1")

    {cout<<"\t\t\t\t\t1 pound"<<endl;

        m[i].prize = "1250";

        cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

        cout << "\t\t\t\t\tPress any key to continue...";

    getch();}

        else if (pound=="2")

        {cout<<"\t\t\t\t\t2 pound"<<endl;

        m[i].prize = "1750";

        cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

        cout << "\t\t\t\t\tPress any key to continue..."<<endl;

    getch(); }else

    {cout<<"\t\t\t\t\tno such pound cake available"<<endl;

    cout << "\t\t\t\t\tPress any key to continue..."<<endl;

    getch(); goto n;}}

    else if (ord == "5")

    {

        m[i].ord_no = "\t\t\t\t\t5-";

        cout<<m[i].ord_no;

        m[i].cake = " cheese cake";

        cout<<m[i].cake<<endl;

d:

        cout << "\t\t\t\t\tEnter Pounds:  ";

```

```

        cin>>pound;

        {if(pound=="1")

        {cout<<"\t\t\t\t\t1 pound"<<endl;

        m[i].prize = "1700";

        cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

        cout << "\t\t\t\t\tPress any key to continue...";

        getch();}

        else if (pound=="2")

        {cout<<"\t\t\t\t\t2 pound"<<endl;

        m[i].prize = "2300";

        cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

        cout << "\t\t\t\t\tPress any key to continue..."<<endl;

        getch();    }else

        {cout<<"\t\t\t\t\ttno such pound cake available"<<endl;

        cout << "\t\t\t\t\tPress any key to continue..."<<endl;

        getch(); goto d;}}

        else if (ord == "6")

        {

                m[i].ord_no = "\t\t\t\t\t6-";

                cout<<m[i].ord_no;

                m[i].cake = " kitkat cake";

                cout<<m[i].cake<<endl;

                e:

                cout << "\t\t\t\t\tEnter Pounds:    ";

                cin>>pound;

                {if(pound=="1")

                {cout<<"\t\t\t\t\t1 pound"<<endl;

                m[i].prize = "1850";

                cout<<"\t\t\t\t\tRS "<<m[i].prize<<endl;

                cout << "\t\t\t\t\tPress any key to continue...";

```

```

    getch();}

    else if (pound=="2")

    {cout<<"\t\t\t\t\t\t\t2 pound"<<endl;

    m[i].prize = "2450";

    cout<<"\t\t\t\t\t\t\tRS "<<m[i].prize<<endl;

    cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;

    getch(); }else

    {cout<<"\t\t\t\t\t\t\tno such pound cake available"<<endl;

    cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;

    getch();  goto e;}}

else if (ord == "7")

{

    m[i].ord_no = "\t\t\t\t\t\t\t7-";

    cout<<m[i].ord_no;

    m[i].cake = " chocolate lava cake";

        cout<<m[i].cake<<endl;

    f:

    cin>>pound;

    cout << "\t\t\t\t\t\t\tEnter Pounds:  ";

        cin>>pound;

    {if(pound=="1")

    {cout<<"\t\t\t\t\t\t\t1 pound"<<endl;

    m[i].prize = "1800";

    cout<<"\t\t\t\t\t\t\tRS "<<m[i].prize<<endl;

    cout << "\t\t\t\t\t\t\tPress any key to continue...";

    getch();}

    else if (pound=="2")

    {cout<<"\t\t\t\t\t\t\t2 pound"<<endl;

    m[i].prize = "2400";

    cout<<"\t\t\t\t\t\t\tRS "<<m[i].prize<<endl;

```

```

        cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
    getch();        }else
        {cout<<"\t\t\t\t\t\t\ttno such pound cake available"<<endl;
        cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
        getch();goto f;}}
else if (ord == "8")
{
    m[i].ord_no = "\t\t\t\t\t\t\t8-";
    cout<<m[i].ord_no;
        m[i].cake = " marble cake";
        cout<<m[i].cake<<endl;

    g:
    cout << "\t\t\t\t\t\t\tEnter Pounds:  ";
        cin>>pound;
    {if(pound=="1")
    {cout<<"\t\t\t\t\t\t\t1 pound"<<endl;
    m[i].prize = "1100";
    cout<<"\t\t\t\t\t\t\tRS "<<m[i].prize<<endl;
    cout << "\t\t\t\t\t\t\tPress any key to continue...";
    getch();}

    else if (pound=="2")
    {cout<<"\t\t\t\t\t\t\t2 pound"<<endl;
    m[i].prize = "1600";
    cout<<"\t\t\t\t\t\t\tRS "<<m[i].prize<<endl;
    cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
    getch();}else
        {cout<<"\t\t\t\t\t\t\ttno such pound cake available"<<endl;
        cout << "\t\t\t\t\t\t\tPress any key to continue..."<<endl;
        getch();        goto g;}}}
else { system("cls");

```

```
cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tWrong Input" << endl;

cout << "\t\t\t\t\t\t\tPress any key to choose another option...";

getch();

goto above2;    }

}

else

{cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tNo such ID in database" << endl;

cout << "\t\t\t\t\t\t\tPress any key to choose another option...";}

    getch();}

void customer::delet()

{
    system("color E0");

    system("cls");

    string n;

    cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tEnter the member's ID  to display
Record: ";

    cin >> n;

    system("cls");

    if (n == "0")

    {
        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" << endl;

        cout << "\t\t\t\t\t\t\tNote: No Record To Display  Plz Go Back And Enter Some
Entries...";}

    else
    {int i;

        for (i = 0; i < cid; i++)

        {
            status1 = 0;

            if (n == m[i].ID)

            {
                status1 = 1; //here 1 is considered as bool true

                break;}}
```



```
if (status1) {m[i].ID, m[i].name, m[i].age,m[i].gender, m[i].address, m[i].contact, m[i].ord_no,
m[i].cake, m[i].prize, m[i].ord_type = "Removed";

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tRecord Deleted...";

        getch();}

else    {cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tNo such ID in database" << endl;

        cout << "\t\t\t\t\tPress any key to choose another option...";

        getch();}}

void customer::alldata()

{
    system("cls");

    system("color E0");

    if (cid == 0)

    {
        system("cls");

        cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\tOOPS!!!!" << endl;

        cout << "\t\t\t\t\tNote: No Record To Display Plz Go Back And Enter Some
Entries...";}

    else

{cout << "\n\n\n\n\n\n\n\n\n\t\t\t\t\t-----" <<
endl<< endl;

        cout << "\t\t\t\t\tDetails Of All orders" << endl<< endl;

        cout << "\t\t\t\t\t-----" <<
endl<< endl;

cout << "ID"<< "\t"<< "NAME"<< "\t"<< "AGE"<< "\t"<< "Gender"<< "\t"<< "Address"<< "\t"<<
"Contact"<< "\t"<< "cake"<< "\t"<< "price"<< "\t"<< "order type"<< endl<< endl;

        for (int i = 0; i < cid; i++)

{cout << m[i].ID << "\t"<< m[i].name<< "\t"<< m[i].age<< "\t"<< m[i].gender<< "\t"<<
m[i].address<< "\t"<< m[i].contact<< "\t"<< m[i].cake<< "\t"<< m[i].prize<<"\t"<<
m[i].ord_type<< endl<< endl;}

        cout << "\t\t\t\t\t-----" <<
endl<< endl;

        cout << "\n\t\t\t\t\tPress any key to choose another option...";}

getch();}
```

```

// ? Admin Class

class admin {
private:
    string username = "admin";
    string password = "1234";
public:
    customer obj;

    bool login() {
        string user, pass;
        int attempts = 3;
        while (attempts > 0) {
            system("cls");
            cout << "\n\n\n\t\t\t\t\t*** Admin Login ***\n";
            cout << "\t\t\t\t\tUsername: ";
            cin >> user;
            cout << "\t\t\t\t\tPassword: ";
            pass = "";
            char ch = _getch();
            while (ch != 13) {
                if (ch == 8) {
                    if (!pass.empty()) {
                        pass.pop_back();
                        cout << "\b \b";
                    }
                }
            }
        }
    }
}

```

```

        else {
            pass.push_back(ch);

            cout << '*';
        }

        ch = _getch();
    }

    if (user == username && pass == password) {
        cout << "\n\n\t\t\t\tLogin Successful!";

        Sleep(1000);

        return true;
    }
    else {
        attempts--;

        cout << "\n\n\t\t\t\tInvalid Credentials! Attempts left: " << attempts;

        Sleep(1500);
    }
}

cout << "\n\n\t\t\t\tToo many failed attempts. Access Denied!";

Sleep(2000);

return false;
}

void adminMenu() {
    string ch,ch1;

    int count = 0;

    int status1;

    do {
        system("cls");

```

[illegible]

```
cout << "\t\t\t\t\t\t\tNote: No Record To Display Plz Go Back And Enter  
Some Entries...";  
  
    getch();  
  
    goto secondmain;}  
  
else { obj.alldata();  
  
        goto secondmain;} }
```

```
else if (ch1 == "3")  
  
    {if (count == 0) {        system("cls");  
  
cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tOOPS!!!!" << endl;  
  
cout << "\t\t\t\t\t\t\tNote: No Record To Display Plz Go Back And Enter Some  
Entries...";  
  
getch();  
  
goto secondmain;        }  
  
else   { obj.delete();  
  
        goto secondmain;}}
```

```

    }

    else if (ch == "2") { cout << "\n\n\t\t\t\t\tLogging out..."; Sleep(1000); }

    else { cout << "\n\n\t\t\t\t\tInvalid choice! Try again."; Sleep(1000); }

} while (ch != "2");

}

```

};

```
// ? MAIN PROGRAM
```

```
int main() {  
    system("color E0");  
    welcomeScreen();  
}
```

```
string choice;

admin adminObj;

customer obj;


system("cls");

cout << "\n\n\n\t\t\t*** Login Portal ***\n";

cout << "\t\t\t\t-----\n";

cout << "\t\t\t\t1. Admin Login\n";

cout << "\t\t\t\t2. Customer Login\n";

cout << "\n\t\t\t\tEnter your choice: ";

cin >> choice;


if (choice == "1") {

    if (adminObj.login()) {

        adminObj.adminMenu();

    }

}

else if (choice == "2") {

    {string ch,ch1;

int count=0;

mainmenu:

system("cls");

cout << "\n\n\n\n\n\n\n\n\n\n\t\t\t*** Welcome to the CAKE BAKERY MANAGEMENT System  
***" << endl<< endl;

cout << "\t\t\t\t\t-----" << endl<< endl;

cout << "\t\t\t\t\t<1> Order" << endl<< endl;

cout << "\t\t\t\t\t<2> Cakes Menu" << endl          << endl;

cout << "\t\t\t\t\t<3> Instructions/Help" << endl<< endl;

cout << "\t\t\t\t\t<4> Exit" << endl<< endl;
```

```
cout << "\t\t\t\t\t\t\t-----" << endl<< endl;  
  
cout << "\t\t\t\t\t\t\tEnter Your Choice:   ";  
  
cin >> ch;  
  
if (ch == "1")  
{    secondmain:  
    system("cls");  
  
    cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\t*** Welcome to the Main Menu ***"  
<< endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t-----" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t<1> Place Order" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t<2> View Your Order" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t<3> Edit Your Order" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t<4> Delete Your Order" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t<5> Go Back" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\t-----" << endl<< endl;  
  
    cout << "\t\t\t\t\t\t\tEnter Your choice:   ";  
  
    cin >> ch1;  
  
    if (ch1 == "1")  
        {            obj.get_data();  
            system("cls");  
            menu();  
            obj.order();  
  
                cout<< endl<< endl;  
  
            cout << "\t\t\t\t\t\t\torder successfully placed";  
  
            getch();  
  
            cid++;  
  
            count++;  
  
            goto secondmain;}  
}
```



```
{
    goto mainmenu; }

else

{
    system("cls");

    cout << "\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t\t\t\t\tWrong Input" << endl;

    cout << "\t\t\t\t\t\t\tPress any key to choose another option...";

    getch();

    goto secondmain;      }}

else if (ch == "2")

{
    menu();

    goto mainmenu;        }

    else if (ch == "3")    {   system("cls");

cout << "\n\n\n\n\n\n\t\t\t\t -----
-----" << endl<< endl;

cout << "\t\t\t\tThe most important thing note while running this program is that first of all enter into
main menu and " << endl;

cout << "\t\tthan start with entering the data and than afterwards you can book your order. This is a
data management" <<endl;

cout << "\t\tsystem of cake bakery in which you can easily book your cake orders and also delete any
order if you want. "<<endl;

cout << "\t\t\t\t -----" <<
endl<< endl;

        cout << "\t\t\t\t Press any key to choose another option...";

        getch();

        goto mainmenu;}

else if (ch == "4")

{
    system("cls");

    cout <<
"\n\n\n\n\n\n\t\t\t\t@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@\n";

cout << "\t\t\t\t\t@@_____
_____ @@\n";

    cout << "\t\t\t\t\t@@|
| @@";
```



```
cout << "\n\n\t\t\t\t\tPress any key to exit...";  
getch();  
}  
}
```