Commands For Table Creation

```
create table EMPLOYEE
(eid number(5) primary key,
ename varchar2(30),
join_date date,
job_type varchar2 (10),
mgrid number(5) references employee(eid));

create table CHEF
(eid number(5) references EMPLOYEE(eid) primary key,
specialty varchar2 (30));

create table WAITER
(eid number(5) references EMPLOYEE(eid) primary key,
rating number(2));

create table CASHIER
(eid number(5) references EMPLOYEE(eid) primary key,
years_of_experience number(2));

create table CUSTOMER
(cid number(5) primary key,
cname varchar2(30));

create table DISH
(did number(5) primary key,
dish_name varchar2(20),
type varchar2(20),
category varchar2(20),
price number(5));

create table ORDERS
( oid number(5) primary key,
order_date date,
cid number(5),
cname varchar2(30),
did number(5) references dish(did),
quantity number(2),
table_no number(2),
finished number(1));

create table PREPARES_BILL
(eid number(5) references CASHIER(eid),
cid number(5),
oid number(5) references ORDERS(oid),
amount number(5));
```

Data in Tables

EMPLOYEE TABLE

EID	ENAME	JOIN_DATE	JOB_TYPE	MGRID
100	Benjamin Diaz	03-OCT-05	Chef	100
101	Robert Adams	15-SEP-07	Chef	100
200	Michael Vaz	14-OCT-05	Waiter	200
201	Ajit Naik	30-OCT-05	Waiter	200
300	Gloria Hall	25-OCT-05	Cashier	300
301	Aaron Dias	12-MAR-08	Cashier	300

CHEF TABLE

EID	SPECIALTY
100	Indian sea food
101	Chinese

WAITER TABLE

EID	RATING
200	4
201	3

CASHIER TABLE

EID	YEARS_OF_EXPERIENCE
300	12
301	9

PREPARES_BILL TABLE

EID	CID	OID	AMOUNT
301	1003	103	160
300	1002	102	100
301	1004	104	200

DISH TABLE

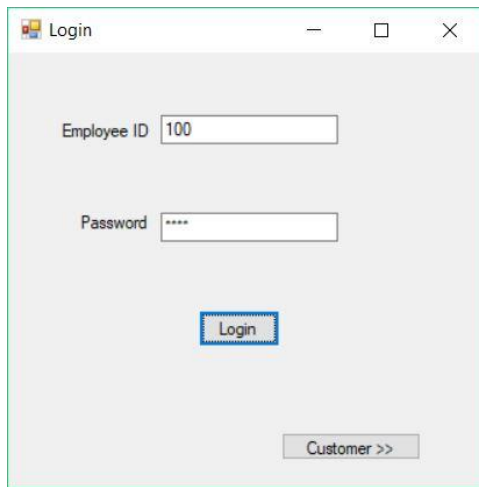| DID	DISH_NAME	TYPE	CATEGORY	PRICE
500	Watermelon Juice	Drinks	Veg	80
501	Cinnamon Tea	Drinks	Veg	40
600	French Fries	Starters	Veg	70
601	Chicken Lollipop	Starters	Non-Veg	100
700	Gobi Manchurian	Main Course	Veg	120
701	Chicken Fried Rice	Main Course	Non-Veg	150
800	Jelly	Dessert	Veg	50
801	Caramel Pudding	Dessert	Non-Veg	60

ORDERS TABLE

OID	ORDER_DATE	CID	CNAME	DID	QUANTITY	TABLE_NO	FINISHED
100	01-NOV-17	1000	Donald Davis	700	2	1	0
101	01-NOV-17	1001	Scott Hall	601	1	3	0
102	03-NOV-17	1002	Jason Vaz	600	2	4	2
103	02-NOV-17	1003	Rajesh Mukarji	500	2	2	3
105	02-NOV-17	1005	Neel Chari	600	1	7	1
104	02-NOV-17	1004	Elton John	800	4	6	3

Login Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class LogIn : Form
    {
        public LogIn()
        {
            InitializeComponent();
        }
        private void button1_Click(object sender, EventArgs e)
        {
            this.Hide();
            int x = Int32.Parse(textBox1.Text);
            if (x>=100 && x <200 && textBox2.Text =="chef")
            {
                Chef obj1 = new Chef(x);
                obj1.Show();
            }
            else if (x>=200 && x < 300 && textBox2.Text == "waiter")
            {
                Waiter obj2 = new Waiter(x);
                obj2.Show();
            }
            else if (x >= 300 && x < 400 && textBox2.Text == "cashier")
            {
                Cashier obj3 = new Cashier(x);
                obj3.Show();
            }
            else
            {
                MessageBox.Show("Invalid Username  or password");
                textBox1.Clear();
                textBox2.Clear();
                LogIn l = new LogIn();
                l.Show();
            }
        }
        private void button2_Click(object sender, EventArgs e)
        {
            this.Hide();
            Customer obj4 = new Customer();
            obj4.Show();
        }
        private void SetButton()
        {
            button1.Enabled = (textBox1.Text != "" && textBox2.Text != "" );
        }
        private void textBox2_TextChanged_1(object sender, EventArgs e)
        {
            SetButton();
        }
    }
}
```

Chef Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Chef : Form
    {
        public int eid;
        public String q2 = "select oid,did,quantity from orders where finished=0";
        public Chef(int id)
        {
            InitializeComponent();
            eid = id;
            string a = eid.ToString();
            if (eid == 100)
                panel1.Visible = true;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            string fetch = "select e.eid,e.ename,e.join_date,c.specialty from employee
e,chef c where e.eid=c.eid AND e.eid =" + a;
            try
            {
                obj1.Open();
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
                obj1.Open();
                OleDbCommand cm3 = new OleDbCommand(q2, obj1);
                cm3.ExecuteNonQuery();
                OleDbDataAdapter da1 = new OleDbDataAdapter(q2, obj1);
                DataTable d1 = new DataTable();
                da1.Fill(d1);
```

```csharp
                dataGridView2.DataSource = d1;
                obj1.Close();
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button1_Click(object sender, EventArgs e)
        {
            LogIn x = new LogIn();
            x.Show();
            this.Hide();
        }
        private void button3_Click(object sender, EventArgs e)
        {
            Insert obj = new Insert(eid);
            this.Hide();
            obj.Show();
        }
        private void button2_Click(object sender, EventArgs e)
        {
            Delete obj = new Delete(eid);
            this.Hide();
            obj.Show();
        }
        private void textBox1_TextChanged(object sender, EventArgs e)
        {
            if (textBox1.Text != null)
                button3.Enabled = true;
        }
        private void button3_Click_2(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            try
            {
                obj1.Open();
                String query = "update orders set finished = 1 where oid="+
Int32.Parse(textBox1.Text);
                OleDbCommand cm3 = new OleDbCommand(query, obj1);
                cm3.ExecuteNonQuery();
                obj1.Close();
                obj1.Open();
                OleDbCommand cm2 = new OleDbCommand(q2, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da1 = new OleDbDataAdapter(q2, obj1);
                DataTable d1 = new DataTable();
                da1.Fill(d1);
                dataGridView2.DataSource = d1;
                obj1.Close();
                textBox1.Clear();
                MessageBox.Show("Dish prepared");
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
    }
}
```

Waiter Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Waiter : Form
    {
        public int eid;
        public Waiter(int abc)
        {
            InitializeComponent();
            eid = abc;
            string a = eid.ToString();
            if (eid == 200)
                panel1.Visible = true;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select e.eid,e.ename,e.join_date,w.rating from employee e,waiter w where e.eid=w.eid AND e.eid =" + a;
            String cust = "select * from customer";
            String av = "select oid,cid,cname,table_no from orders where finished = 1";
            try
```

```csharp
        {
            OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
            cm2.ExecuteNonQuery();
            OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
            DataTable d = new DataTable();
            da.Fill(d);
            dataGridView1.DataSource = d;
            obj1.Close();
            obj1.Open();
            OleDbCommand cm3 = new OleDbCommand(cust, obj1);
            cm3.ExecuteNonQuery();
            OleDbDataAdapter da1 = new OleDbDataAdapter(cust, obj1);
            DataTable d1 = new DataTable();
            da1.Fill(d1);
            dataGridView2.DataSource = d1;
            obj1.Close();
            obj1.Open();
            OleDbCommand cm4 = new OleDbCommand(av, obj1);
            cm4.ExecuteNonQuery();
            OleDbDataAdapter da2 = new OleDbDataAdapter(av, obj1);
            DataTable d2 = new DataTable();
            da2.Fill(d2);
            dataGridView3.DataSource = d2;
            obj1.Close();
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.Message);
        }
    }
    private void button1_Click(object sender, EventArgs e)
    {
        LogIn x = new LogIn();
        x.Show();
        this.Hide();
    }
    private void button1_Click_1(object sender, EventArgs e)
    {
        Insert obj = new Insert(eid);
        this.Hide();
        obj.Show();
    }
    private void button2_Click(object sender, EventArgs e)
    {
        Delete obj = new Delete(eid);
        this.Hide();
        obj.Show();
    }
    private void textBox1_TextChanged(object sender, EventArgs e)
    {
        if (textBox1.Text != null)
            button3.Enabled = true;
    }
    private void button4_Click(object sender, EventArgs e)
    {
        String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
        OleDbConnection obj1 = new OleDbConnection(connection);
        String av = "select oid,cid,cname,table_no from orders where finished = 1";
        obj1.Open();
        String query = "update orders set finished = 2 where oid=" +
Int32.Parse(textBox2.Text);
        OleDbCommand cm3 = new OleDbCommand(query, obj1);
        cm3.ExecuteNonQuery();
```

```
            obj1.Close();
            obj1.Open();
            OleDbCommand cm4 = new OleDbCommand(av, obj1);
            cm4.ExecuteNonQuery();
            OleDbDataAdapter da2 = new OleDbDataAdapter(av, obj1);
            DataTable d2 = new DataTable();
            da2.Fill(d2);
            dataGridView3.DataSource = d2;
            obj1.Close();
            textBox2.Clear();
            MessageBox.Show("Order served!");
        }
        private void textBox2_TextChanged(object sender, EventArgs e)
        {
            if (textBox2.Text != null)
                button4.Enabled = true;
        }
        private void button3_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            int cid=Int32.Parse(textBox1.Text);
            String f1 = "select cname  from customer where cid="+cid, name = "";
            try
            {
                obj1.Open();
                OleDbCommand cm3 = new OleDbCommand(f1, obj1);
                cm3.ExecuteNonQuery();
                OleDbDataAdapter da1 = new OleDbDataAdapter(f1, obj1);
                DataSet dset = new DataSet();
                da1.Fill(dset, "customer");
                name = dset.Tables["customer"].Rows[0]["cname"].ToString();
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
            Order_Details o = new Order_Details(cid,name,eid);
            this.Hide();
            o.Show();
        }
    }
}
```

Cashier Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Cashier : Form
    {
        public int eid;
        public String a1 = "select oid,order_date,cid,did,quantity from orders where finished = 2";
        private void sync()
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            OleDbCommand cm3 = new OleDbCommand(a1, obj1);
            cm3.ExecuteNonQuery();
            OleDbDataAdapter da1 = new OleDbDataAdapter(a1, obj1);
            DataTable d1 = new DataTable();
            da1.Fill(d1);
            dataGridView2.DataSource = d1;
            obj1.Close();
            String q1="select sum(amount) as sum from prepares_bill where oid IN ( select distinct oid from orders where extract(day from order_date) = extract(day from sysdate))";
            obj1.Open();
            OleDbCommand cm1 = new OleDbCommand(q1, obj1);
            cm1.ExecuteNonQuery();
            OleDbDataAdapter da = new OleDbDataAdapter(q1, obj1);
            DataSet dset1 = new DataSet();
            da.Fill(dset1, "prepares_bill");
            label5.Text = dset1.Tables["prepares_bill"].Rows[0]["sum"].ToString();
            obj1.Close();
        }
        public Cashier(int id)
        {
            InitializeComponent();
```

```csharp
            eid = id;
            string a = eid.ToString();
            if (eid == 300)
                panel1.Visible = true;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            String fetch = "select e.eid,e.ename,e.join_date,c.years_of_experience from
employee e,cashier c where e.eid=c.eid AND e.eid =" + a;
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
                sync();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void Logout_Click(object sender, EventArgs e)        //logout button
        {
            LogIn x = new LogIn();
            x.Show();
            this.Hide();
        }
        private void button1_Click(object sender, EventArgs e)      //Insert button
        {
            Insert obj = new Insert(eid);
            this.Hide();
            obj.Show();
        }
        private void button2_Click(object sender, EventArgs e)      //delete button
        {
            Delete obj = new Delete(eid);
            this.Hide();
            obj.Show();
        }
        private void textBox1_TextChanged(object sender, EventArgs e)
        {
            if (textBox1.Text != null)
                button3.Enabled = true;
        }
        private void button3_Click(object sender, EventArgs e)
        {
            int amt, price, qty, did, cid;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            String q1 = "select did from orders where oid=" + Int32.Parse(textBox1.Text);
            String q2 = "select quantity from orders where oid=" +
Int32.Parse(textBox1.Text);
            String q4 = "select cid from orders where oid=" + Int32.Parse(textBox1.Text);
            try
            {
                obj1.Open();                                        //get dish id
                OleDbCommand cm1 = new OleDbCommand(q1, obj1);
                cm1.ExecuteNonQuery();
```

```csharp
            OleDbDataAdapter da1 = new OleDbDataAdapter(q1, obj1);
            DataSet dset1 = new DataSet();
            da1.Fill(dset1, "orders");
            did = Int32.Parse(dset1.Tables["orders"].Rows[0]["did"].ToString());
            obj1.Close();
            String q3 = "select price from dish where did=" + did;
            obj1.Open();                                    //get quantity
            OleDbCommand cm2 = new OleDbCommand(q2, obj1);
            cm2.ExecuteNonQuery();
            OleDbDataAdapter da2 = new OleDbDataAdapter(q2, obj1);
            DataSet dset2 = new DataSet();
            da2.Fill(dset2, "orders");
            qty = Int32.Parse(dset2.Tables["orders"].Rows[0]["quantity"].ToString());
            obj1.Close();
            obj1.Open();                                        //get price
            OleDbCommand cm3 = new OleDbCommand(q3, obj1);
            cm3.ExecuteNonQuery();
            OleDbDataAdapter da3 = new OleDbDataAdapter(q3, obj1);
            DataSet dset3 = new DataSet();
            da3.Fill(dset3, "dish");
            price = Int32.Parse(dset3.Tables["dish"].Rows[0]["price"].ToString());
            obj1.Close();
            obj1.Open();                                    //get customer id
            OleDbCommand cm4 = new OleDbCommand(q4, obj1);
            cm4.ExecuteNonQuery();
            OleDbDataAdapter da4 = new OleDbDataAdapter(q4, obj1);
            DataSet dset4 = new DataSet();
            da4.Fill(dset4, "orders");
            cid = Int32.Parse(dset4.Tables["orders"].Rows[0]["cid"].ToString());
            obj1.Close();
            amt = price * qty;
            String insrt = "insert into prepares_bill values(" + eid + "," + cid +
"," + Int32.Parse(textBox1.Text) + "," + amt + ")";
            obj1.Open();                //insert into prepares_bill
            OleDbCommand cm5 = new OleDbCommand(insrt, obj1);
            cm5.ExecuteNonQuery();
            obj1.Close();
            String updt = "update orders set finished = 3 where oid=" +
Int32.Parse(textBox1.Text);
            obj1.Open();                                    //insert into prepares_bill
            OleDbCommand cm7 = new OleDbCommand(updt, obj1);
            cm7.ExecuteNonQuery();
            obj1.Close();
            sync();
            MessageBox.Show("Bill prepared successfully");
            textBox1.Clear();
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.Message);
        }
    }
  }
}
```

Your Details are:

	EID	ENAME	JOIN_DATE	YEARS_OF_EXPERIENCE
▶	301	Aaron Dias	12-Mar-08	9
*				

Orders ready for bill generation

	OID	ORDER_DATE	CID	DID	QUANTITY
▶	102	03-Nov-17 11:44 PM	1002	600	2
	104	02-Nov-17 12:51 PM	1004	800	4

Enter Order ID to generate bill

104

Generate Bill

The restaurant has earned Rs   160   /- today.

Logout

Cashier

Your Details are:

	EID	ENAME	JOIN_DATE	YEARS_OF_EXPERIENCE
▶	301	Aaron Dias	12-Mar-08	9
*				

Orders ready for bill generation

	OID	ORDER_DATE	CID	DID	QUANTITY
▶	102	03-Nov-17 11:44 PM	1002	600	2

Enter Order ID to generate bill

104

Generate Bill

Bill prepared successfully

OK

The restaurant has earned Rs   360   /- today.

Logout

Customer Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Customer : Form
    {
        public Customer()
        {
            InitializeComponent();
            label3.Visible = true;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from dish";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
```

```csharp
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button1_Click(object sender, EventArgs e)
        {
            LogIn x = new LogIn();
            x.Show();
            this.Hide();
        }
        private void button6_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from dish";
            if (comboBox1.Text == "Veg")
                fetch = "select * from (select * from dish where category='Veg')";
            else if (comboBox1.Text == "Non-Veg")
                fetch = "select * from (select * from dish where category='Non-Veg')";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;

                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button5_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from dish where type='Drinks'";
            if (comboBox1.Text == "Veg")
                fetch = "select * from (select * from dish where category='Veg') where
type='Drinks'";
            else if (comboBox1.Text == "Non-Veg")
                fetch = "select * from (select * from dish where category='Non-Veg')
where type='Drinks'";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
```

```csharp
                da.Fill(d);
                dataGridView1.DataSource = d;

                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button2_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from dish where type='Starters'";
            if (comboBox1.Text == "Veg")
                fetch = "select * from (select * from dish where category='Veg') where
type='Starters'";
            else if (comboBox1.Text == "Non-Veg")
                fetch = "select * from (select * from dish where category='Non-Veg')
where type='Starters'";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button3_Click(object sender, EventArgs e
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            String fetch = "select * from dish where type='Main Course'";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                if(comboBox1.Text=="Veg")
                    fetch = "select * from (select * from dish where category='Veg')
where type='Main Course'";
                else if(comboBox1.Text=="Non-Veg")
                    fetch = "select * from (select * from dish where category='Non-Veg')
where type='Main Course'";
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
```

```csharp
            }
        }
        private void button4_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from dish where type='Dessert'";
            if (comboBox1.Text == "Veg")
                fetch = "select * from (select * from dish where category='Veg') where
type='Dessert'";
            else if (comboBox1.Text == "Non-Veg")
                fetch = "select * from (select * from dish where category='Non-Veg')
where type='Dessert'";
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void textBox1_TextChanged(object sender, EventArgs e)
        {
            if (textBox1.Text == "")
                button7.Enabled = false;
            else
                button7.Enabled = true;
        }
        private void button7_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            String f1 = "select max(cid) as cid from orders";
            try
            {
                obj1.Open();
                OleDbCommand cm3 = new OleDbCommand(f1, obj1);
                cm3.ExecuteNonQuery();
                OleDbDataAdapter da1 = new OleDbDataAdapter(f1, obj1);
                DataSet dset = new DataSet();
                da1.Fill(dset, "orders");
                int id = Int32.Parse(dset.Tables["orders"].Rows[0]["cid"].ToString());
                id++;
                Console.Write(id);
                String insrt = "insert into customer values("+id+",'"+textBox1.Text+"')";
                OleDbCommand cm1 = new OleDbCommand(insrt, obj1);
                cm1.ExecuteNonQuery();
                MessageBox.Show("Kindly wait till a waiter arrives!");
                obj1.Close();
                textBox1.Clear();
            }
            catch (Exception e1)
            {
                MessageBox.Show(e1.Message);
```

```
            }
        }
    }
}
```

Customer — □ ✕

Category: Veg   Your name: Elton John   *Customer is king, and kings never bargain!*   Exit

Call a Waiter !

Menu:

	DID	DISH_NAME	TYPE	CATEGORY	PRICE
▶	600	French Fries	Starters	Veg	70

View all
View drinks
View starters
View main course
View dessert

Customer — □ ✕

Category: Non-Veg   Your name: Elton John   *Customer is king, and kings never bargain!*   Exit

Call a Waiter !

Menu:

	DID	DISH_NAME	TYPE	CATEGORY	PRICE
▶	701	Chicken Fried Rice	Main Course	Non-Veg	150

View all
View drinks
View starters
View main course
View dessert

Customer — □ ✕

Category: None   Your name: Elton John   *Customer is king, and kings never bargain!*   Exit

Call a Waiter !

Menu:

	DID	DISH_NAME	TYPE	CATEGORY	PRICE
▶	800	Jelly	Dessert	Veg	50
	801	Caramel Pudding	Dessert	Non-Veg	60

View all
View drinks
View starters
View main course
View dessert

Insert Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Insert : Form
    {
        public int eid;
        public Insert(int abc)
        {
            InitializeComponent();
            eid = abc;
            {
                if (eid == 200)
                {
                    label6.Text = "Waiter";
                    textBox2.Enabled = true;
                }
                else if (eid == 300)
                {
                    label6.Text = "Cashier";
                    textBox4.Enabled = true;
                }
                else if (eid == 100)
                {
                    label6.Text = "Chef";
                    textBox3.Enabled = true;
                }
            }
        }
        private void button1_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=SYSTEM;Password=system;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            OleDbConnection obj2 = new OleDbConnection(connection);
            string type="",query="",x="";          //set the job type based on manager id
            if (eid == 100)
            {
                type = "Chef";
                x = "insert into chef values ("+textBox5.Text+",'"+textBox3.Text + "')";
            }
            else if (eid == 200)
            {
                type = "Waiter";
                x = "insert into waiter values ("+textBox5.Text+","+ textBox2.Text + ")";
            }
            else if (eid == 300)
            {
                type = "Cashier";
                x = "insert into cashier values ("+textBox5.Text+","+textBox4.Text + ")";
            }
            query = "insert into employee values ("+ textBox5.Text + ",'" + textBox1.Text
+ "'," + "to_date('"+textBox6.Text+"','dd-mm-yy')" + ",'" + type + "','"+eid+")";
            obj1.Open();
            obj2.Open();
```

```csharp
            try
            {
                OleDbCommand cm1 = new OleDbCommand(query, obj1);
                cm1.ExecuteNonQuery();
                OleDbCommand cm2 = new OleDbCommand(x, obj2);
                cm2.ExecuteNonQuery();
                MessageBox.Show("Record Inserted!");
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
            textBox1.Clear();
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
            textBox5.Clear();
            textBox6.Clear();
            obj1.Close();
            obj2.Close();
        }
        private void button2_Click(object sender, EventArgs e)
        {
            if (eid == 200)
            {
                Waiter w = new Waiter(eid);
                this.Close();
                w.Show();
            }
            else if (eid == 300)
            {
                Cashier c = new Cashier(eid);
                this.Close();
                c.Show();
            }
            else if (eid == 100)
            {
                Chef ch = new Chef(eid);
                this.Close();
                ch.Show();
            }
        }
    }
}
```


Insert — □ ✕

ID   101
Name   Robert Adams
Join date 15-09-17
Job type   Chef
Rating   [   ]
Speciality Chinese
Years of experience [   ]

<<<Back   Insert

Delete Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Delete : Form
    {
        public int eid;
        public Delete(int id)
        {
            InitializeComponent();
            eid = id;
            string a = id.ToString();
            label3.Text = a;
            if (eid == 200)
            {
                label5.Text = "Waiter";
            }
            else if (eid == 300)
            {
                label5.Text = "Cashier";
            }
            else if (eid == 100)
            {
                label5.Text = "Chef";
            }
        }
        private void button1_Click(object sender, EventArgs e)
        {
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=system;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
            obj1.Open();
            string fetch = "select * from employee where eid =" + textBox1.Text;
            try
            {
                OleDbCommand cm2 = new OleDbCommand(fetch, obj1);
                cm2.ExecuteNonQuery();
                OleDbDataAdapter da = new OleDbDataAdapter(fetch, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                button2.Enabled = true;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button2_Click(object sender, EventArgs e)
        {
            string delete = "delete from employee where eid = " + textBox1.Text;
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=system;OLEDB.NET=True";
            OleDbConnection obj1 = new OleDbConnection(connection);
```

```csharp
            obj1.Open();
            try
            {
                if (eid == 200)//delete from tables which references employee table first
                {
                    string w = "delete from waiter where eid = " + textBox1.Text;
                    OleDbCommand a1 = new OleDbCommand(w, obj1);
                    a1.ExecuteNonQuery();
                }
                else if (eid == 300)
                {
                    string c = "delete from cashier where eid = " + textBox1.Text;
                    OleDbCommand a1 = new OleDbCommand(c, obj1);
                    a1.ExecuteNonQuery();
                }
                else if (eid == 100)
                {
                    string ch = "delete from chef where eid = " + textBox1.Text;
                    OleDbCommand a1 = new OleDbCommand(ch, obj1);
                    a1.ExecuteNonQuery();
                }
                OleDbCommand cm2 = new OleDbCommand(delete, obj1);
                cm2.ExecuteNonQuery();
                textBox1.Clear();
                button2.Enabled = false;
                MessageBox.Show("Record Deleted!");
                String q1 = "select * from employee";
                OleDbDataAdapter da = new OleDbDataAdapter(q1, obj1);
                DataTable d = new DataTable();
                da.Fill(d);
                dataGridView1.DataSource = d;
                obj1.Close();
            }
            catch (Exception ee)
            {
                MessageBox.Show(ee.Message);
            }
        }
        private void button3_Click(object sender, EventArgs e)
        {
            if (eid == 200)
            {
                Waiter w = new Waiter(eid);
                this.Close();
                w.Show();
            }
            else if (eid == 300)
            {
                Cashier c = new Cashier(eid);
                this.Close();
                c.Show();
            }
            else if (eid == 100)
            {
                Chef ch = new Chef(eid);
                this.Close();
                ch.Show();
            }
        }
    }
}
```

Order_Details Form

```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Data.OleDb;
using System.Text;
using System.Windows.Forms;
namespace Login
{
    public partial class Order_Details : Form
    {
        public int cid,wid;
        public String cname="";
        public Order_Details(int a, String n,int w)
        {
            InitializeComponent();
            cid = a;
            cname = n;
            wid = w;
            label7.Text = cid.ToString();
            label8.Text = cname;
        }
        private void SetButton()
        {
            button1.Enabled = (textBox1.Text != "" && textBox2.Text != "" &&
textBox3.Text != "" && textBox4.Text != "");
        }
        private void textBox4_TextChanged(object sender, EventArgs e)
        {
            SetButton();
        }
        private void button1_Click(object sender, EventArgs e)
        {
            String query = "insert into orders values(" + Int32.Parse(textBox1.Text) +
",sysdate," + cid + ",'" + cname + "'," + Int32.Parse(textBox2.Text) + "," +
Int32.Parse(textBox3.Text) + "," + Int32.Parse(textBox4.Text) + "," + 0 + ")";
            String connection = "Provider=OraOLEDB.Oracle;Data Source=localhost;User
Id=system;Password=SYSTEM;OLEDB.NET=True";
            String del = "delete from customer where cid="+cid;
            OleDbConnection obj1 = new OleDbConnection(connection);
```

```
        try
        {
            obj1.Open();
            OleDbCommand cm3 = new OleDbCommand(query, obj1);
            cm3.ExecuteNonQuery();
            obj1.Close();
            obj1.Open();
            OleDbCommand cm2 = new OleDbCommand(del, obj1);
            cm2.ExecuteNonQuery();
            MessageBox.Show("Order taken successfully");
            obj1.Close();
            Waiter w = new Waiter(wid);
            w.Show();
            this.Hide();
        }
        catch (Exception ee)
        {
            MessageBox.Show(ee.Message);
        }
    }
  }
}
```