

Employee Database

1. First Create a table with in the data base with below query

Query :

```
CREATE TABLE EmployeeData
(
    [Emp_ID] INT NOT NULL PRIMARY KEY DEFAULT 0,
    [Emp_Name] VARCHAR(50) NULL,
    [Age] INT NULL,
    [Gender] VARCHAR(50) NULL,
    [Designation] VARCHAR(50) NULL,
    [Dept_ID] INT NULL,
    [Dept_Name] VARCHAR(50) NULL,
    [Location] VARCHAR(50) NULL,
    [Work_Project] VARCHAR(50) NULL,
    [Company] VARCHAR(50) NULL,
    [Salary] FLOAT NULL
)
```

2. After creating the table then save it with name EmployeeData

3. Now, Create a windows form in the visual studio just like the below one

4. After creating the windows form now, write the code for each button

5. The code is just below down there.

Code For Each button :

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace Employee_CRUD
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            //Insert Button
            SqlConnection con = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\SHREEE\\OneDrive\\Documents\\MyDataBase.mdf;Integrat
ed Security=True;Connect Timeout=30");
```

```
con.Open();
```

```
SqlCommand cmd = new SqlCommand("insert into EmployeeData  
values(@Emp_ID,@Emp_Name,@Age,@Gender,@Designation,@Dept_ID,@Dept_Name,@Location,@Work_Project,@Compa  
ny,@Salary)",con);
```

```
cmd.Parameters.AddWithValue("@Emp_ID", int.Parse(textBox1.Text));  
cmd.Parameters.AddWithValue("@Emp_Name", textBox2.Text);  
cmd.Parameters.AddWithValue("@Age", int.Parse(textBox3.Text));  
cmd.Parameters.AddWithValue("@Gender", textBox4.Text);  
cmd.Parameters.AddWithValue("@Designation", textBox5.Text);  
cmd.Parameters.AddWithValue("@Dept_ID", int.Parse(textBox6.Text));  
cmd.Parameters.AddWithValue("@Dept_Name", textBox7.Text);  
cmd.Parameters.AddWithValue("@Location", textBox8.Text);  
cmd.Parameters.AddWithValue("@Work_Project", textBox9.Text);  
cmd.Parameters.AddWithValue("@Company", textBox10.Text);  
cmd.Parameters.AddWithValue("@Salary", double.Parse(textBox11.Text));
```

```
cmd.ExecuteNonQuery();  
con.Close();  
MessageBox.Show(" Sucessfully Inserted the Data into Table.. ");  
}
```

```
private void button4_Click(object sender, EventArgs e)
```

```
{
```

```
    // Update Button
```

```
    SqlConnection con = new SqlConnection("Data  
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\\Users\\SHREEE\\OneDrive\\Documents\\MyDataBase.mdf;Integrat  
ed Security=True;Connect Timeout=30");
```

```
    con.Open();  
    SqlCommand cmd = new SqlCommand();  
    cmd.Connection = con;
```

```
    cmd.CommandText = "Update EmployeeData set Emp_Name=" + textBox2.Text + ", Age=" + textBox3.Text + ",  
Gender=" + textBox4.Text + ", Designation=" + textBox5.Text + ", Dept_ID=" + textBox6.Text + ", Dept_Name=" +  
textBox7.Text + ", Location=" + textBox8.Text + ", Work_Project=" + textBox9.Text + ", Company=" + textBox10.Text + ",  
Salary=" + textBox11.Text + " where Emp_ID=" + textBox1.Text + "";
```

```
    cmd.ExecuteNonQuery();  
    con.Close();  
    MessageBox.Show(" Sucessfully Updated the Data into Table");
```

```
}
```

```
private void button2_Click(object sender, EventArgs e)
```

```
{
```

```
    // Delete Button
```

```
    SqlConnection con = new SqlConnection("Data  
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\\Users\\SHREEE\\OneDrive\\Documents\\MyDataBase.mdf;Integrat  
ed Security=True;Connect Timeout=30");
```

```
    con.Open();
```

```
    SqlCommand cmd = new SqlCommand("Delete EmployeeData where Emp_ID = @Emp_ID", con);
```

```
    cmd.Parameters.AddWithValue("@Emp_ID", int.Parse(textBox1.Text));
```

```
    cmd.ExecuteNonQuery();  
    con.Close();  
    MessageBox.Show(" Sucessfully Deleted the Data into Table.. ");
```

```
}
```

```
private void button3_Click(object sender, EventArgs e)
```

```
{
```

```
    // Display Button
```

```

SqlConnection con = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\SHREEE\\OneDrive\\Documents\\MyDataBase.mdf;Integrat
ed Security=True;Connect Timeout=30");

con.Open();

SqlCommand cmd = new SqlCommand("Select * from EmployeeData",con);
SqlDataAdapter da = new SqlDataAdapter(cmd);
DataTable dt = new DataTable();
da.Fill(dt);

dataGridView1.DataSource = dt;

}

private void button5_Click(object sender, EventArgs e)
{
    // Exit Button
    this.Close();
}

private void button6_Click(object sender, EventArgs e)
{
    // Search Button
    SqlConnection con = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\SHREEE\\OneDrive\\Documents\\MyDataBase.mdf;Integrat
ed Security=True;Connect Timeout=30");

con.Open();

SqlCommand cmd = new SqlCommand("Select * from EmployeeData where Emp_ID=@Emp_ID", con);

cmd.Parameters.AddWithValue("Emp_ID", int.Parse(textBox1.Text));

SqlDataAdapter da = new SqlDataAdapter(cmd);
DataTable dt = new DataTable();
da.Fill(dt);

dataGridView1.DataSource = dt;

}
}
}

```

6. Make Sure That Use the Connection String of Your Database.

7. Save All Changes.

8. Now, Finally You can Run the Windows Form

Windows Form :

The screenshot shows a Windows Form titled "Employee". On the left, there is an orange-bordered panel containing ten input fields, each with a label and a text box:

- Employee ID :
- Employee Name :
- Age :
- Gender :
- Designation :
- Department ID :
- Dept Name :
- Location :
- Working Project :
- Company :
- Salary :

On the right, there is a light gray panel titled "Employee DataBase". It contains a large, empty gray rectangular area. Below this area are six buttons arranged in two columns:

- Insert (blue)
- Delete (cyan)
- Display (green)
- Modify (red)
- Search (brown)
- Exit (blue)

Insert Query :

The screenshot shows the same Windows Form, but now with data entered in the input fields. The "Employee DataBase" panel now displays a table with the following data:

Emp_ID	Emp_Name	Age	Gender
1	Ajay	22	Male
2	Rizwan	19	Male
4	M.J.N.V.Sai	20	Male
5	Srinivas	150	Male
999	Kolluri Mounav	20	Male

The input fields on the left are filled with the following values:

- Employee ID : 999
- Employee Name : Kolluri Mounav
- Age : 20
- Gender : Male
- Designation : Student
- Department ID : 110
- Dept Name : Information Technology
- Location : Kanuru
- Working Project : Eye Cataract Detection
- Company : VRSEC
- Salary : 45000.00

The buttons remain the same as in the previous screenshot.

Modify Query :

Employee ID : 999

Employee Name : Mounav

Age : 20

Gender : Male

Designation : Manager

Department ID : 110

Dept Name : Information Technology

Location : Kanuru

Working Project : Eye Cataract Detection

Company : VRSEC

Salary : 45000.00

Employee DataBase

Emp_ID	Emp_Name	Age	Gender
1	Ajay	22	Male
2	Rizwan	19	Male
4	M.J.N.V.Sai	20	Male
5	Srinivas	150	Male
999	Mounav	20	Male
*			

Insert Delete

Display Modify

Search Exit

Delete Query :

Employee ID : 2345

Employee Name : Mounav kolluri

Age : 20

Gender : Male

Designation : Manager

Department ID : 110

Dept Name : Information Technology

Location : Kanuru

Working Project : Eye Cataract Detection

Company : VRSEC

Salary : 45000.00

Employee DataBase

Emp_ID	Emp_Name	Age	Gender
1	Ajay	22	Male
2	Rizwan	19	Male
4	M.J.N.V.Sai	20	Male
5	Srinivas	150	Male
999	Mounav	20	Male
2345	Mounav kolluri	20	Male
*			

Insert Delete

Display Modify

Search Exit

Employee

Employee ID : 2345

Employee Name : Mounav kolluri

Age : 20

Gender : Male

Designation : Manager

Department ID : 110

Dept Name : Information Technology

Location : Kanuru

Working Project : Eye Cataract Detection

Company : VRSEC

Salary : 45000.00

Employee DataBase

Emp_ID	Emp_Name	Age	Gender
1	Ajay	22	Male
2	Rizwan	19	Male
4	M.J.N.V.Sai	20	Male
5	Srinivas	150	Male
999	Mounav	20	Male
*			

Insert **Delete**

Display **Modify**

Search **Exit**

Search Query :

Employee

Employee ID : 4

Employee Name : Mounav kolluri

Age : 20

Gender : Male

Designation : Manager

Department ID : 110

Dept Name : Information Technology

Location : Kanuru

Working Project : Eye Cataract Detection

Company : VRSEC

Salary : 45000.00

Employee DataBase

Emp_ID	Emp_Name	Age	Gender
4	M.J.N.V.Sai	20	Male
*			

Insert **Delete**

Display **Modify**

Search **Exit**

Display Query :

When we click on that button it displays the table from the database.

After every performing every operation on Employee table then click on Display Button.

Exit :

When we click on the exit button it exits the total application.

End Of The Task