**ROLL: 208W1A12A0** 

## **Employee Database**

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

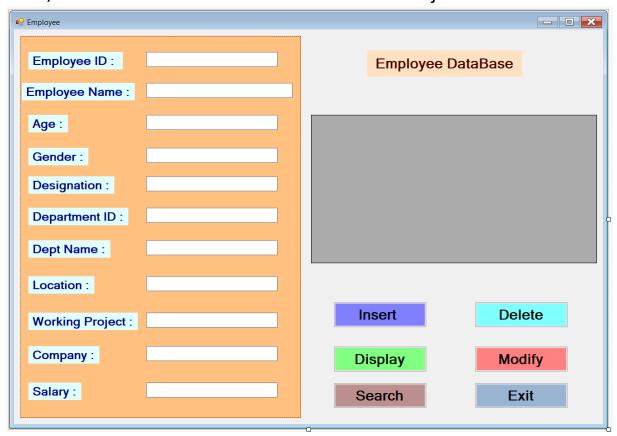
```
Query:

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.

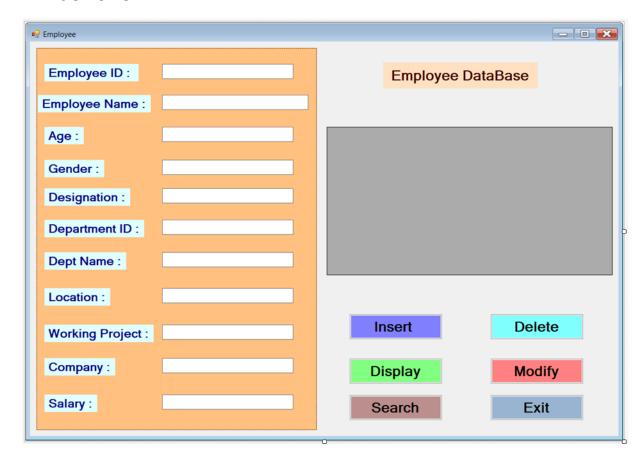
```
Code For Each button:
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System. Threading. Tasks;
using System. Windows. Forms;
using System.Data.SqlClient;
namespace Employee_CRUD
  public partial class Form1 : Form
   public Form1()
     InitializeComponent();
   private void button1_Click(object sender, EventArgs e)
     //Insert Button
     SqlConnection con = new SqlConnection("Data
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
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
```

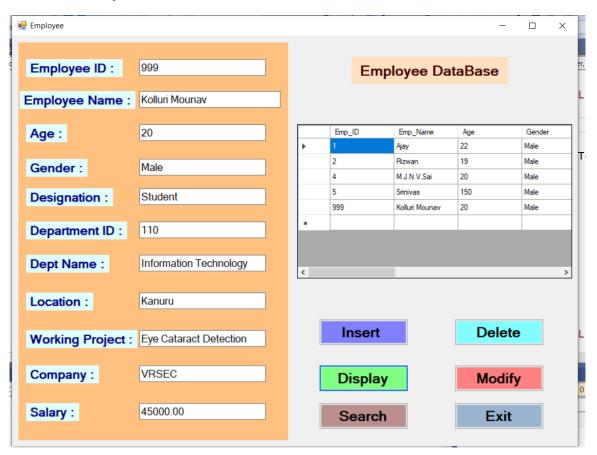
```
SqlConnection con = new SqlConnection("Data
Source = (\hat{L}ocalDB) \setminus MSSQLLocalDB; AttachDbFilename = C: \\ VSHREEE \setminus OneDrive \setminus Documents \setminus MyDataBase.mdf; Integrating the property of t
ed Security=True;Connect Timeout=30");
                                con.Open();
                                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 = (\hat{L}ocalDB) \setminus MSSQLLocalDB; AttachDbFilename = C: \\ VSHREEE \setminus OneDrive \setminus Documents \setminus MyDataBase.mdf; Integrating the property of t
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

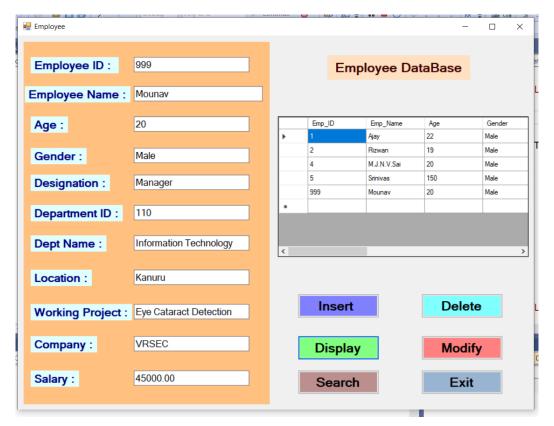
#### Windows Form:



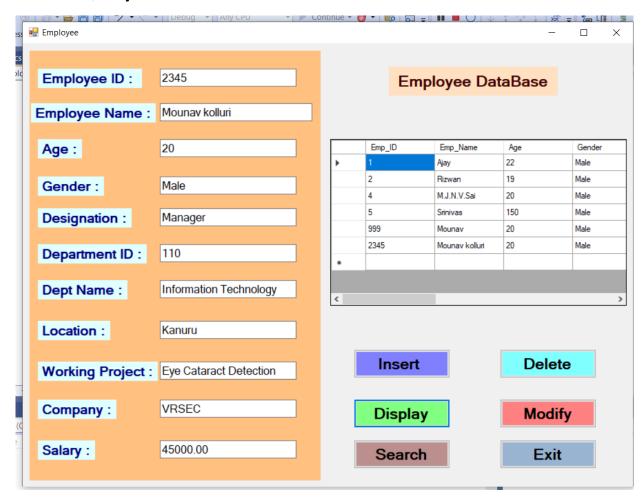
### **Insert Query:**

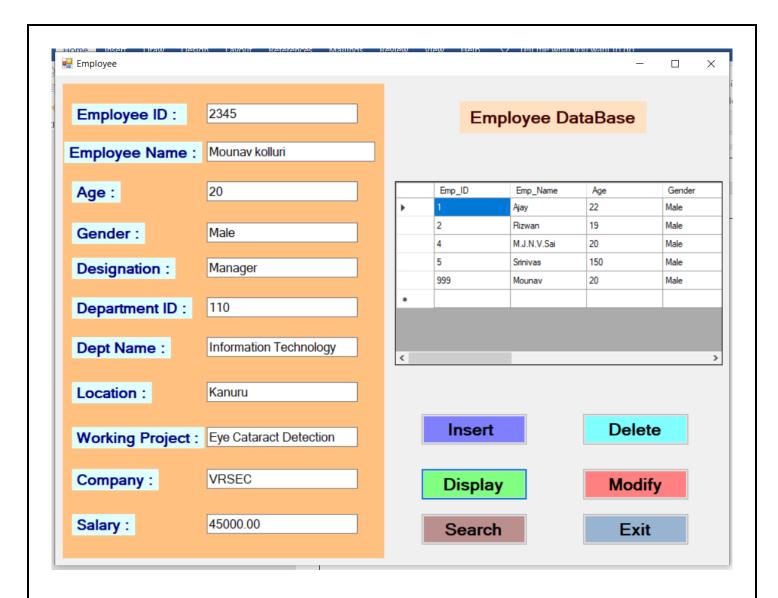


# **Modify Query:**

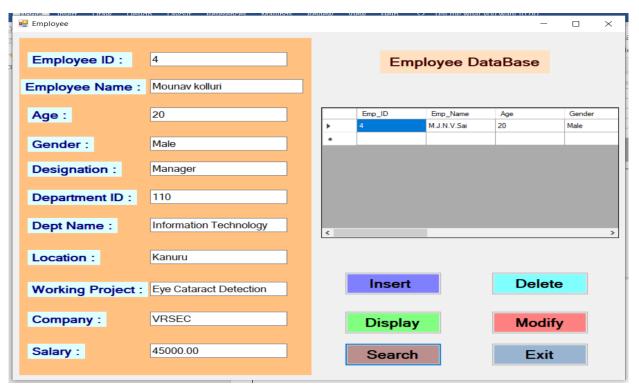


### **Delete Query:**





# **Search Query:**



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
Liid Of The Task