

Module-7 practical

insert

employee's name: priya

mobile number: 123456

email id: abc@gamil.com

department: xyz

insert update delete reset

employeeID	name	mno	eid	dept.
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employee's name: priya

mobile number: 123456

email id: abc@gamil.com

department: xyz

insert update delete

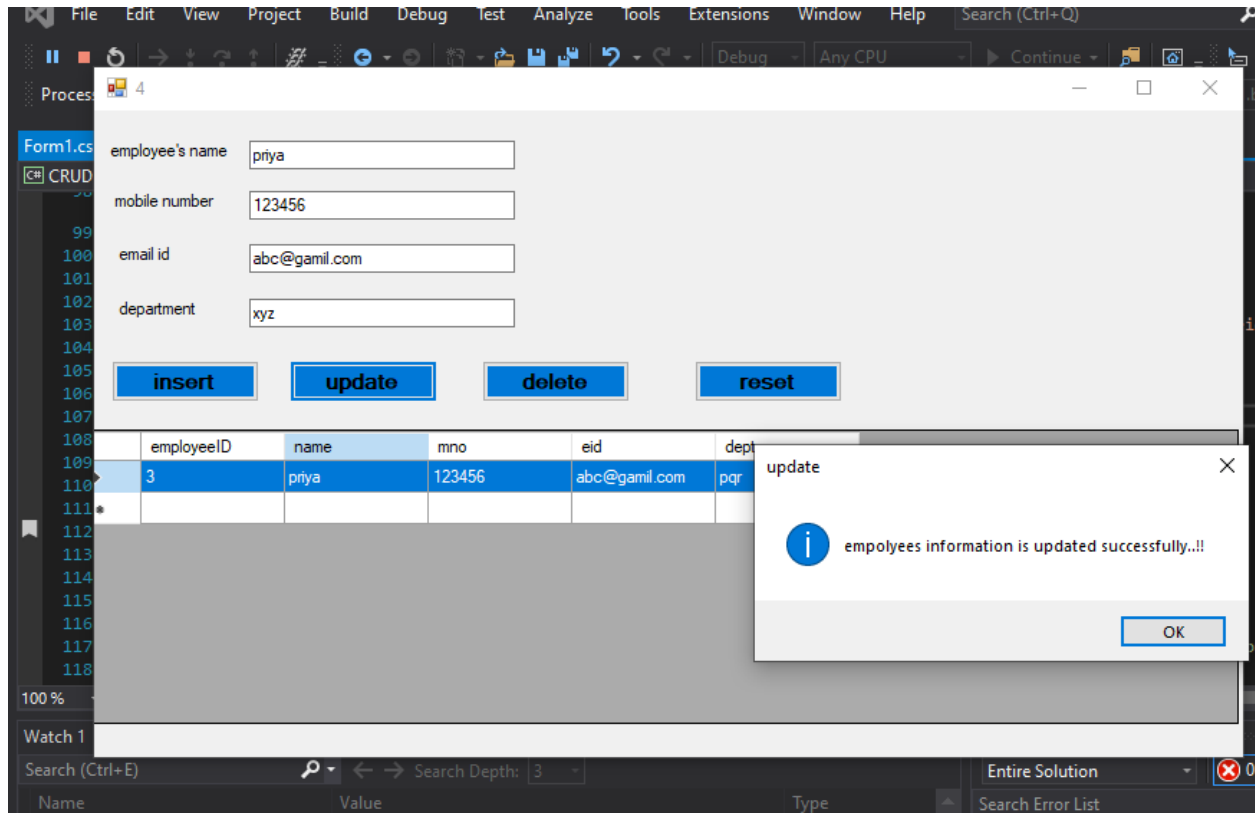
saved

new employee data is successfully saved into database...!!

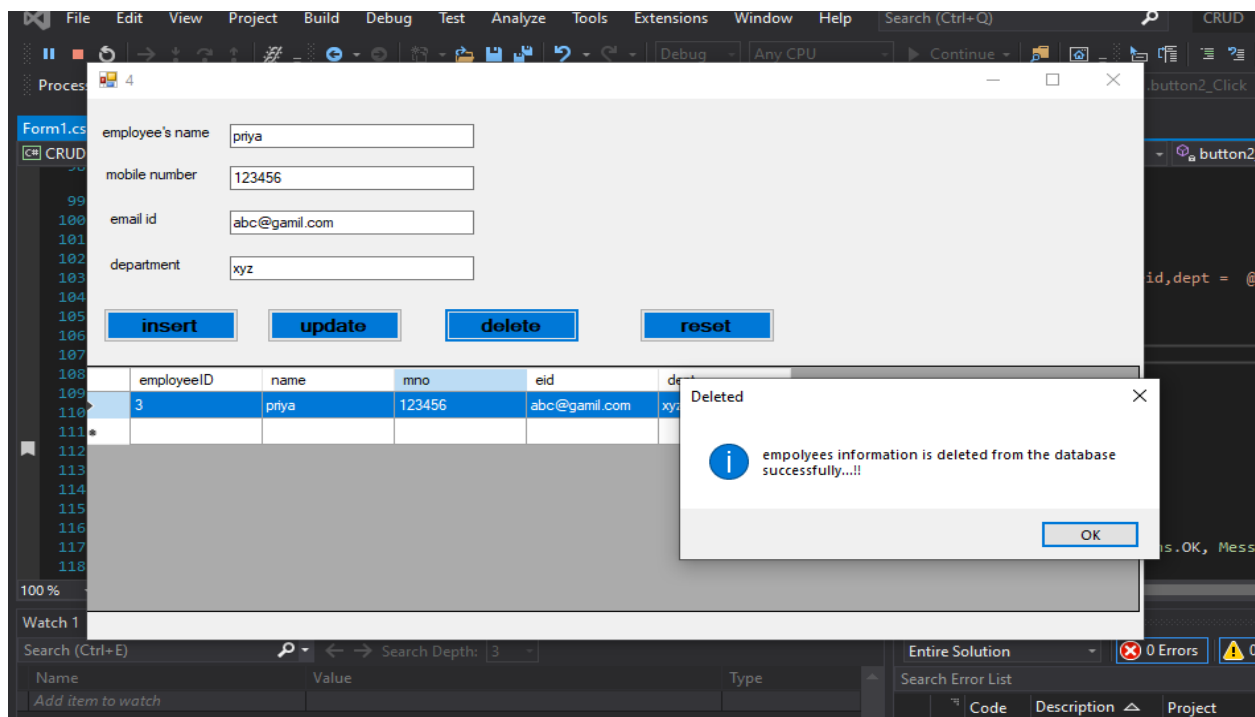
OK

employeeID	name	mno	eid	dept.
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Update



Delete



Code

```
using System;
using System.Windows.Forms;
using System.Data.SqlClient;
using System.Data;

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

            SqlConnection con = new SqlConnection("Data Source=DESKTOP-CREDRDQ;Initial
Catalog=employee;Integrated Security=True");
            public int empID;
            private void label1_Click(object sender, EventArgs e)
            {

            }

            private void Form1_Load(object sender, EventArgs e)
            {
                GetEmpRecord();
            }
            private void GetEmpRecord()
            {

                SqlCommand cmd = new SqlCommand("Select * from employees_info", con);
                DataTable dt = new DataTable();

                con.Open();
                SqlDataReader sd = cmd.ExecuteReader();
                dt.Load(sd);
                con.Close();

                empdatagridview.DataSource = dt;

            }

            private void button3_Click(object sender, EventArgs e)
            {
                if (IsValid())
                {
```

```

        SqlCommand cmd = new SqlCommand("INSERT INTO employees_info VALUES (@name, @mno,
@eid, @dept)", con);
        cmd.CommandType = CommandType.Text;
        cmd.Parameters.AddWithValue("@name", txttempname.Text);
        cmd.Parameters.AddWithValue("@mno", txtmno.Text);
        cmd.Parameters.AddWithValue("@eid", txteid.Text);
        cmd.Parameters.AddWithValue("@dept", txtdept.Text);

        con.Open();
        cmd.ExecuteNonQuery();
        con.Close();

        MessageBox.Show("new employee data is successfully saved into database...!!", "saved",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
        GetEmpRecord();
        ResetFormControls();
    }

}

private bool IsValid()
{
    if (txttempname.Text == string.Empty)
    {
        MessageBox.Show("student name is required....", "Failed", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
        return false;
    }
    return true;
}

private void button5_Click(object sender, EventArgs e)
{
    ResetFormControls();
}

private void ResetFormControls()
{
    empID = 0;
    txttempname.Clear();
    txtmno.Clear();
    txteid.Clear();
    txtdept.Clear();

    txttempname.Focus();
}

```

```

private void empdatagridview_CellClick(object sender, DataGridViewCellEventArgs e)
{
    empID = Convert.ToInt32(empdatagridview.SelectedRows[0].Cells[0].Value);
    txttempname.Text = empdatagridview.SelectedRows[0].Cells[1].Value.ToString();
    txtmno.Text = empdatagridview.SelectedRows[0].Cells[2].Value.ToString();
    txteid.Text = empdatagridview.SelectedRows[0].Cells[3].Value.ToString();
    txtdept.Text = empdatagridview.SelectedRows[0].Cells[4].Value.ToString();
}

private void button2_Click(object sender, EventArgs e)
{
    if(empID > 0)
    {
        SqlCommand cmd = new SqlCommand("UPDATE employees_info SET name =@name, mno =
        @mno, eid = @eid,dept = @dept WHERE employeeID = @ID", con);
        cmd.CommandType = CommandType.Text;
        cmd.Parameters.AddWithValue("@name", txttempname.Text);
        cmd.Parameters.AddWithValue("@mno", txtmno.Text);
        cmd.Parameters.AddWithValue("@eid", txteid.Text);
        cmd.Parameters.AddWithValue("@dept", txtdept.Text);
        cmd.Parameters.AddWithValue("@ID", this.empID);

        con.Open();
        cmd.ExecuteNonQuery();
        con.Close();

        MessageBox.Show("empolyees information is updated successfully..!!", "update",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
        GetEmpRecord();
        ResetFormControls();
    }
    else
    {
        MessageBox.Show("please select an employee to update his information
        !!", "Failed", MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}

private void button4_Click(object sender, EventArgs e)
{
    if(empID > 0)
    {
        SqlCommand cmd = new SqlCommand("DELETE FROM employees_info WHERE employeeID =
        @ID", con);
        cmd.CommandType = CommandType.Text;
    }
}

```

```
cmd.Parameters.AddWithValue("@ID", this.empID);

con.Open();
cmd.ExecuteNonQuery();
con.Close();

MessageBox.Show("employees information is deleted from the database successfully...!!",
"Deleted", MessageBoxButtons.OK, MessageBoxIcon.Information);
GetEmpRecord();
ResetFormControls();

}
else
{
    MessageBox.Show("please select an employee to delete his information !!", "Failed",
    MessageBoxButtons.OK, MessageBoxIcon.Error);
}
}
}
}
```