

Connected database

Declaration variables and header files:

```
using System.Data.SqlClient; // namespace

SqlConnection con;

SqlCommand cmd;

SqlDataAdapter da;

DataSet ds = new DataSet();

DataRow dr;

SqlCommandBuilder cmb;

string qry;

static int i;

int t;
```

On form load:

```
private void Form1_Load(object sender, EventArgs e)
{
    textBox1.Enabled = false;
    textBox2.Enabled = false;
    textBox3.Enabled = false;
    textBox4.Enabled = false;

    con=new SqlConnection("Data
Source=(LocalDB)\\v11.0;AttachDbFilename=C:\\Users\\Shreesh\\documents\\visual studio
2012\\Projects\\form\\form\\data.mdf;Integrated Security=True");

    qry = "select * from emp";

    cmd = new SqlCommand(qry, con);

    da = new SqlDataAdapter(cmd);

    da.Fill(ds, "abc");

    t = ds.Tables["abc"].Rows.Count;

    display();

    save.Enabled = false;
```

```

        update.Enabled = false;
        cancel.Enabled = false;
    }
    public void display()
    {
        dr = ds.Tables["abc"].Rows[i];
        textBox1.Text = dr.ItemArray.GetValue(0).ToString();
        textBox2.Text = dr.ItemArray.GetValue(1).ToString();
        textBox3.Text = dr.ItemArray.GetValue(2).ToString();
        textBox4.Text = dr.ItemArray.GetValue(3).ToString();
    }

```

Runnable form:

First button:

```

private void first_Click(object sender, EventArgs e)
{
    i = 0;
    display();
}

```

Previous button:

```

private void previous_Click(object sender, EventArgs e)
{
    if (i == 0)
    {
        i = 0;
        MessageBox.Show("This is the first record");
    }
    else
    {
        i = i - 1;
    }
}

```

```
        display();  
    }
```

Next button:

```
private void next_Click(object sender, EventArgs e)  
{  
    if (i == t - 1)  
    {  
        i = t - 1;  
        MessageBox.Show("This is the last record");  
    }  
    else  
    {  
        i = i + 1;  
        display();  
    }  
}
```

Last button:

```
private void last_Click(object sender, EventArgs e)  
{  
    i = t - 1;  
    display();  
}
```

New button:

```
private void new_rec_Click(object sender, EventArgs e)  
{  
    textBox1.Enabled = true;  
    textBox2.Enabled = true;
```

```
textBox3.Enabled = true;
textBox4.Enabled = true;
textBox1.Text = "";
textBox2.Text = "";
textBox3.Text = "";
textBox4.Text = "";
textBox1.Focus();
save.Enabled = true;
cancel.Enabled = true;
edit.Enabled = false;
delete.Enabled = false;
}
```

Save button:

```
private void save_Click(object sender, EventArgs e)
{
    dr = ds.Tables["abc"].NewRow();
    dr["eno"] = textBox1.Text;
    dr["enm"] = textBox2.Text;
    dr["job"] = textBox3.Text;
    dr["sal"] = textBox4.Text;
    ds.Tables["abc"].Rows.Add(dr);
    cmb = new SqlCommandBuilder(da);
    da = cmb.DataAdapter;
    da.Update(ds, "abc");
    MessageBox.Show("1 record inserted successfully");
    save.Enabled = false;
    edit.Enabled = true;
    delete.Enabled = true;
    textBox1.Text = "";
}
```

```
textBox2.Text = "";  
textBox3.Text = "";  
textBox4.Text = "";  
textBox1.Focus();  
display();  
}
```

Edit button:

```
private void edit_Click(object sender, EventArgs e)  
{  
    new_rec.Enabled = false;  
    textBox2.Enabled = true;  
    textBox3.Enabled = true;  
    textBox4.Enabled = true;  
    update.Enabled = true;  
    cancel.Enabled = true;  
    edit.Enabled = false;  
}
```

Update button:

```
private void update_Click(object sender, EventArgs e)  
{  
    cmb = new SqlCommandBuilder(da);  
    dr = ds.Tables["abc"].Rows[i];  
    dr[1] = textBox2.Text;  
    dr[2] = textBox3.Text;  
    dr[3] = textBox4.Text;  
    da.Update(ds.Tables["abc"].ToString());  
    update.Enabled = false;  
    cancel.Enabled = false;  
}
```

```

edit.Enabled = true;

new_rec.Enabled = true;

MessageBox.Show("1 record updated");

display();
}

```

Delete button:

```

private void delete_Click(object sender, EventArgs e)
{
    cmb = new SqlCommandBuilder(da);

    if (MessageBox.Show("Are you sure you want to delete this record ", "Delete Record",
        MessageBoxButtons.OKCancel) == DialogResult.OK)
    {
        ds.Tables["abc"].Rows[i].Delete();

        t--;

        i = 0;

        display();

        da.Update(ds.Tables["abc"]);

        MessageBox.Show("1 record deleted");
    }
}

```

Cancel button:

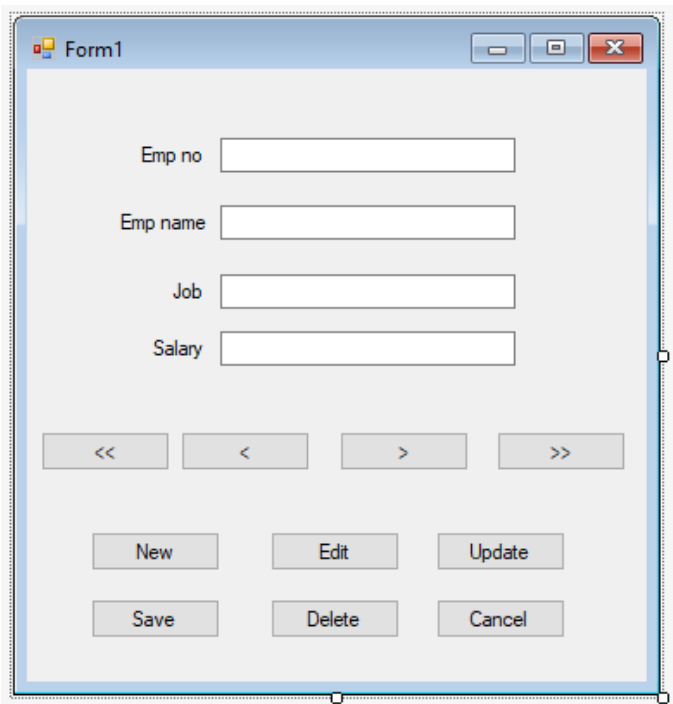
```

private void cancel_Click(object sender, EventArgs e)
{
    MessageBox.Show("Record not saved");

    cancel.Enabled = false;
}

```

Form design:



Form1

Emp no

Emp name

Job

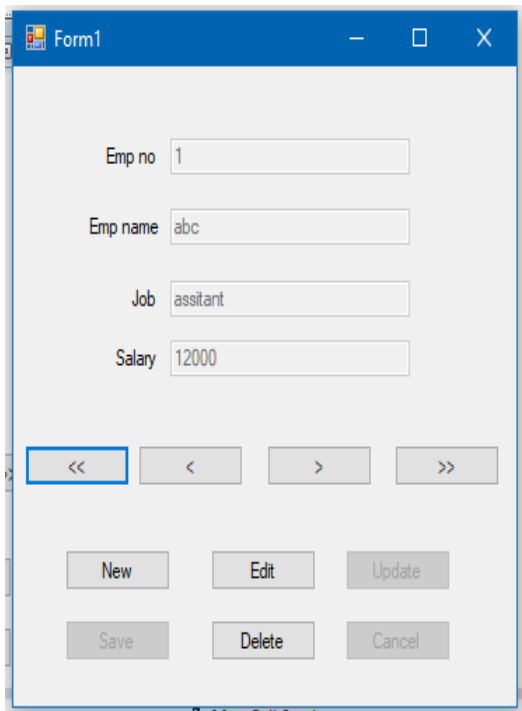
Salary

<< < > >>

New Edit Update

Save Delete Cancel

First button:



Form1

Emp no

Emp name

Job

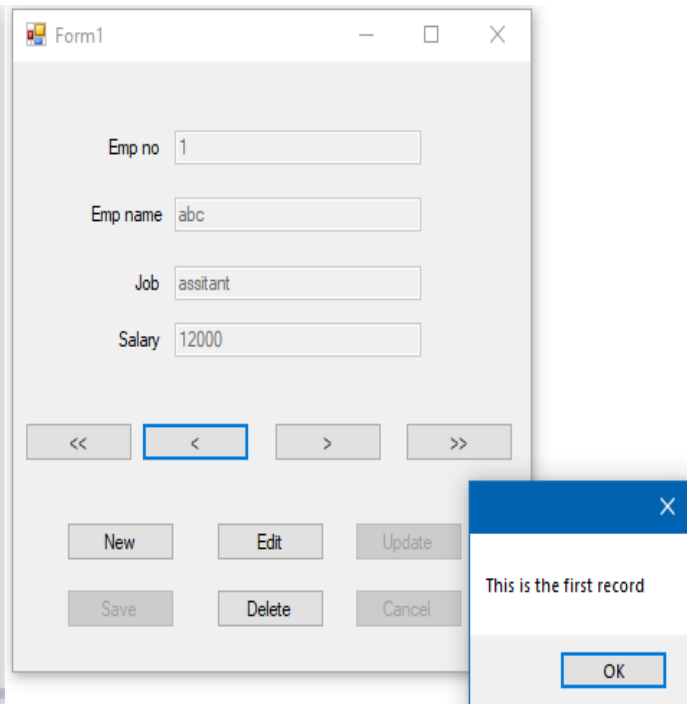
Salary

<< < > >>

New Edit Update

Save Delete Cancel

Previous button:



Form1

Emp no

Emp name

Job

Salary

<< < > >>

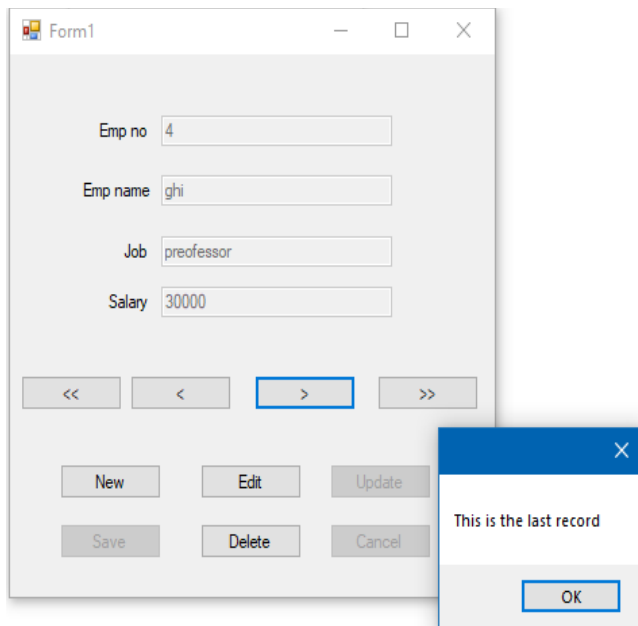
New Edit Update

Save Delete Cancel

This is the first record

OK

Next button:



Form1

Emp no 4

Emp name ghi

Job preofessor

Salary 30000

<< < > >>

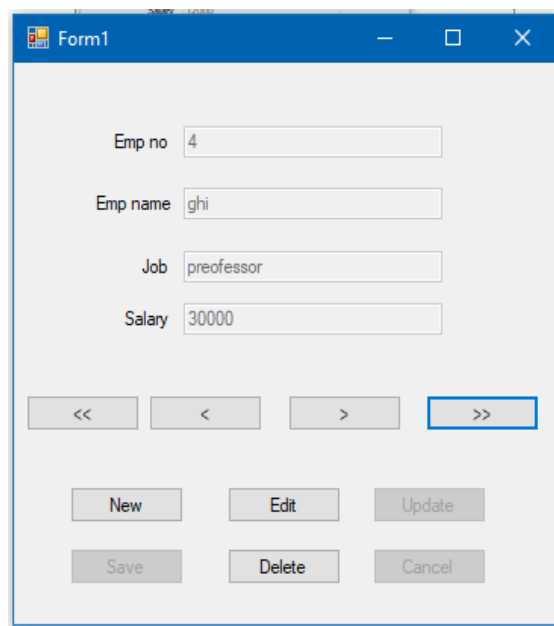
New Edit Update

Save Delete Cancel

This is the last record

OK

Last button:



Form1

Emp no 4

Emp name ghi

Job preofessor

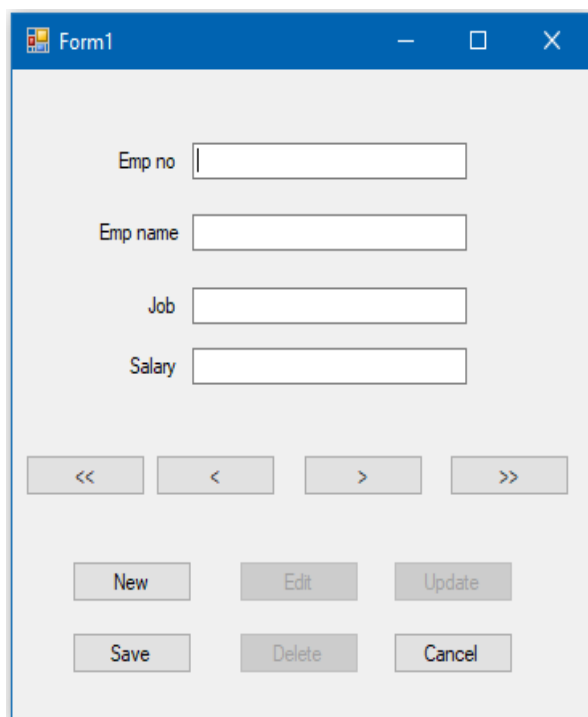
Salary 30000

<< < > >>

New Edit Update

Save Delete Cancel

New button:



Form1

Emp no

Emp name

Job

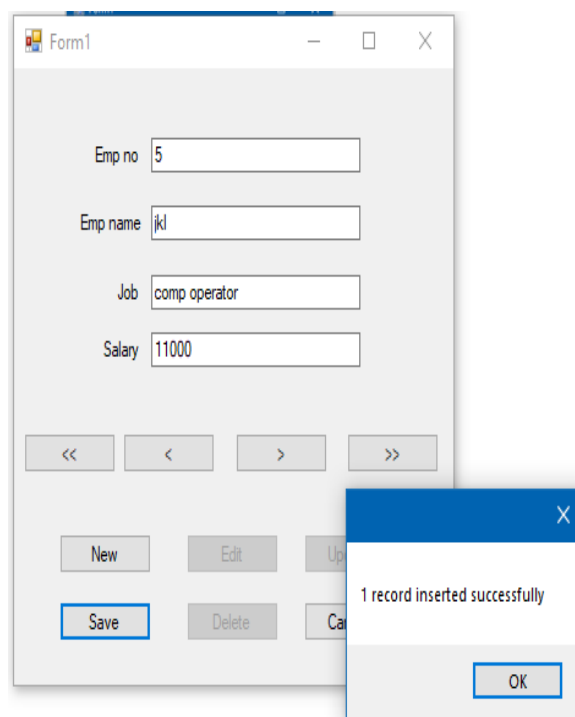
Salary

<< < > >>

New Edit Update

Save Delete Cancel

Save button:



Form1

Emp no 5

Emp name jkl

Job comp operator

Salary 11000

<< < > >>

New Edit Update

Save Delete Cancel

1 record inserted successfully

OK

Edit button:

Form1 window showing the Edit button state. The form contains four text boxes: Emp no (2), Emp name (bcd), Job (accountant), and Salary (12000). Below the text boxes are four navigation buttons: <<, <, >, and >>. At the bottom are six action buttons: New, Edit, Update, Save, Delete, and Cancel. The Edit button is highlighted with a blue border.

Update button:

Form1 window showing the Update button state. The form contains four text boxes: Emp no (2), Emp name (bcd), Job (accountant), and Salary (12000). Below the text boxes are four navigation buttons: <<, <, >, and >>. At the bottom are six action buttons: New, Edit, Update, Save, Delete, and Cancel. The Update button is highlighted with a blue border. A small dialog box is open in the foreground, displaying "1 record updated" and an OK button.

Delete button:

Form1 window showing the Delete button state. The form contains four text boxes: Emp no (1), Emp name (abc), Job (assitant), and Salary (12000). Below the text boxes are four navigation buttons: <<, <, >, and >>. At the bottom are six action buttons: New, Edit, Update, Save, Delete, and Cancel. The Delete button is highlighted with a blue border. A small dialog box is open in the foreground, displaying "1 record deleted" and an OK button.

Cancel button:

Form1 window showing the Cancel button state. The form contains four text boxes: Emp no, Emp name, Job, and Salary, all of which are empty. Below the text boxes are four navigation buttons: <<, <, >, and >>. At the bottom are six action buttons: New, Edit, Update, Save, Delete, and Cancel. The Cancel button is highlighted with a blue border. A small dialog box is open in the foreground, displaying "Record not saved" and an OK button.

