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Div: B Batch: T4

Form1.cs -

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Configuration;
namespace practical8
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            DisplayData();
            SqlConnection conn = new SqlConnection("Data Source=DESKTOP-SS3ETVB;Initial
            Catalog=StudentDatabase;Integrated Security=True");
            SqlCommand cmd;
            SqlDataAdapter adapt;
            private void Form1_Load(object sender, EventArgs e)
            {
```

```

}

private void btn_exit_Click(object sender, EventArgs e)
{
}

Application.Exit();

private void btn_insert_Click(object sender, EventArgs e)
{
string query = "insert into StudentData values(" + txt_stdid.Text + "," + txt_stdname.Text +
"," + txt_address.Text + "," + txt_class.Text + ")";
conn.Open();
cmd = new SqlCommand(query, conn);
cmd.ExecuteNonQuery();
MessageBox.Show("Inserted successfully");
conn.Close();
DisplayData();
}

private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
}

if (e.RowIndex >= 0)
{
}

DataGridViewRow row = dataGridView1.Rows[e.RowIndex];
txt_stdid.Text = row.Cells[0].Value.ToString();
txt_stdname.Text = row.Cells[1].Value.ToString();
txt_address.Text = row.Cells[2].Value.ToString();
txt_class.Text = row.Cells[3].Value.ToString();
txt_stdid.Enabled = false;

private void DisplayData()
{

```

```

}

conn.Open();

DataTable dt = new DataTable();

adapt = new SqlDataAdapter("select * from StudentData",conn);

adapt.Fill(dt);

dataGridView1.DataSource = dt;

conn.Close();

private void btn_find_Click(object sender, EventArgs e)
{
    conn.Open();

    SqlCommand cmd = conn.CreateCommand();

    cmd.CommandType = CommandType.Text;

    cmd.CommandText = "select * from StudentData where id='" + txt_find.Text + "'";

    cmd.ExecuteNonQuery();

    DataTable dt = new DataTable();

    SqlDataAdapter da = new SqlDataAdapter(cmd);

    da.Fill(dt);

    txt_stdid.Text = dt.ToString();

    txt_stdname.Text = dt.ToString();

    txt_address.Text = dt.ToString();

    txt_class.Text = dt.ToString();

    dataGridView1.DataSource = dt;

    conn.Close();
}

private void btn_update_Click(object sender, EventArgs e)
{
    conn.Open();

    string query2 = "UPDATE StudentData set name='" + txt_stdname.Text + "',address='" +
    txt_address.Text +
    "',class='" + txt_class.Text + "' where id='"+txt_stdid.Text+"'";

    cmd = new SqlCommand(query2, conn);

```

```

cmd.ExecuteNonQuery();
conn.Close();
MessageBox.Show("Updated successfully");
DisplayData();
}
private void btn_showall_Click(object sender, EventArgs e)
{
}
DisplayData();
private void btn_delete_Click(object sender, EventArgs e)
{
string query = "delete StudentData where id=" + txt_stdid.Text + "";
conn.Open();
cmd = new SqlCommand(query, conn);
cmd.ExecuteNonQuery();
MessageBox.Show("deleted record");
conn.Close();
DisplayData();
}
}
}

```

App.Config-

```

<?xml version="1.0" encoding="utf-8" ?>
<configuration>
<startup>
<supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5" />
</startup>
<connectionStrings>
<add name="ConnectionString" connectionString="Data Source=DESKTOP-
SS3ETVB;Initial

```

```
Catalog=StudentDatabase;Integrated Security=True"
providerName="System.Data.SqlClient"/>
```

```
</connectionStrings>
```

```
</configuration>
```

Output:

Insert:

The screenshot shows the 'Student Information' application window. On the left, there are input fields for 'Student ID' (value: 6), 'Student Name' (value: Sharvani), 'Address' (value: Ichalkaranji), and 'Class' (value: Sy). Below these fields are buttons for 'Insert', 'Update', 'Delete', 'Show all Records', and 'Exit'. On the right, there is a 'Find' button and a table displaying student records. A small dialog box in the center says 'Inserted successfully' with an 'OK' button.

id	name	address	class
1	Sakshi	Ichalkaranji	TyBtech
2	Suhani	shirali	TyBtech
3	Suhani	Gargoti	TyBtech
4	Sanika	Kodoli	TyBtech
5	Siddhi	Kolhapur	TyBtech

Update:

The screenshot shows the 'Student Information' application window. The input fields are the same as in the previous screenshot. The 'Update' button is highlighted. A small dialog box in the center says 'Updated successfully' with an 'OK' button. The table on the right shows the updated record for 'Sharvani' with the address 'Ichalkaranji' and class 'Sy'.

id	name	address	class
1	Sakshi	Ichalkaranji	TyBtech
2	Suhani	shirali	TyBtech
3	Suhani	Gargoti	TyBtech
4	Sanika	Kodoli	TyBtech
5	Siddhi	Kolhapur	TyBtech
	Sharvani	Ichalkaranji	Sy

Delete:

Form1

Student Information

Student ID:

Student Name:

Address:

Class:

id	name	address	class
1	Sakshi	Ichalkaranji	TyBtech
2	Suhani	ahiroli	TyBtech
3	Suhani	Gargoti	TyBtech
4	Sankha	Kodoli	TyBtech
5	Siddhi	Kolhapur	TyBtech
6	Sharvari	Ichalkaranji	FY

deleted record

Show all results:

Form1

Student Information

Student ID:

Student Name:

Address:

Class:

id	name	address	class
1	Sakshi	Ichalkaranji	TyBtech
2	Suhani	ahiroli	TyBtech
3	Suhani	Gargoti	TyBtech
4	Sankha	Kodoli	TyBtech
5	Siddhi	Kolhapur	TyBtech

Find:

Form1

Student Information

Student ID:

Student Name:

Address:

Class:

id	name	address	class
4	Sanka	Kodoli	TyBtech
*			