

## Practical-10

### 1. Student Information Page

Code:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Runtime.InteropServices.ComTypes;
using System.Text;
using System.Text.RegularExpressions;
using System.Threading.Tasks;
using System.Windows.Forms;
using static
System.Windows.Forms.VisualStyles.VisualStyleElement.TreeView;

namespace Practical__10_
{
    public partial class Form1 : Form
    {
        SqlConnection conn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=""C:\Users\AMIT
GOSWAMI\source\repos\Practical_(10)\Database1.mdf"";Integrated
Security=True");
        public Form1()
        {
            InitializeComponent();
            SqlConnection conn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=""C:\Users\AMIT
GOSWAMI\source\repos\Practical_(10)\Database1.mdf"";Integrated
Security=True");
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            SqlConnection conn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=""C:\Users\AMIT
GOSWAMI\source\repos\Practical_(10)\Database1.mdf"";Integrated
Security=True");
        }

        private void button1_Click(object sender, EventArgs e)
        {

```

```
        conn.Open();
        SqlCommand cmd = new SqlCommand("insert into STUDENT
values('" + textBox1.Text + "',''+ textBox2.Text + "',''+
textBox3.Text + "',''+ textBox4.Text + "')",conn);

        cmd.ExecuteNonQuery();
        MessageBox.Show("data inserted");
        conn.Close();
    }

    private void button2_Click(object sender, EventArgs e)
    {
        conn.Open();
        SqlCommand cmd = new SqlCommand("update STUDENT set
Name='" + textBox2.Text + "', Branch='" + textBox3.Text +
"',Semester='" + textBox4.Text + "' where Enroll_No. =
'" + textBox1.Text + "'", conn);

        cmd.ExecuteNonQuery();
        MessageBox.Show("data updated");
        conn.Close();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        conn.Open();
        SqlCommand cmd = new SqlCommand("delete from STUDENT
where ROLL = '" + textBox1.Text + "'",conn);

        cmd.ExecuteNonQuery();
        MessageBox.Show("data deleted");
        conn.Close();
    }

    private void button4_Click(object sender, EventArgs e)
    {
        conn.Open();
        SqlCommand cmd = new SqlCommand("select * from STUDENT
where ROLL = '" + textBox1.Text + "'",conn);

        SqlDataReader dreader = cmd.ExecuteReader();
        if (dreader.Read())
        {
            textBox2.Text = dreader[1].ToString();
            textBox3.Text = dreader[2].ToString();
            textBox4.Text = dreader[3].ToString();
        }
    }
}
```

```
        else  
        {  
            MessageBox.Show(" No Record");  
        }  
        dreader.Close();  
        conn.Close();  
    }  
}  
}
```

**Output:**

**Data Inserting:**

The screenshot shows a Windows application window titled "Form1". Inside the window, there is a section titled "Student Data" which contains four text boxes for data entry: "Enroll\_No." (containing "103"), "Name" (containing "AMIT"), "Branch" (containing "IT"), and "Semester" (containing "4"). To the right of these text boxes, a small modal dialog box is displayed with the text "data inserted" and an "OK" button. Below the "Student Data" section, there is another section titled "Operations" which contains four buttons: "Insert", "Update", "Delete", and "Search".

**Data Updation:**

The screenshot shows a Windows application window titled "Form1". Inside, there is a section titled "Student Data" containing four text boxes with labels: "Enroll\_No." (value: 103), "Name" (value: AMIT), "Branch" (value: CEIT), and "Semester" (value: 4). Below this is an "Operations" section with four buttons: "Insert", "Update", "Delete", and "Search".

The screenshot shows a Windows application window titled "Student Information". It has a "Student Data" section with four text boxes labeled "Enroll\_No:", "Name:", "Branch:", and "Semester:", each followed by an empty text input field. Below this is an "Operations" section with four buttons: "Insert", "Update", "Delete", and "Search". The "Update" button is highlighted with a blue border. A small message box is overlaid on the right side of the form, displaying the text "data updated" and an "OK" button.

### Data Deletion:

Name: AMIT GOSWAMI  
Enrollment No.:21012021003  
Batch/Branch: (4AB5)/CEIT-B

The screenshot shows a window titled "Student Information". Inside, there is a section labeled "Student Data" containing four input fields: "Enroll\_No:" with the value "159", "Name:", "Branch:", and "Semester:". Below this section is an "Operations" section with four buttons: "Insert", "Update", "Delete", and "Search".

This screenshot shows the same "Student Information" window, but the "Delete" button in the "Operations" section is highlighted with a blue border. A small dialog box is overlaid on the right side of the window, displaying the text "data deleted" and an "OK" button. The input fields in the "Student Data" section are now empty.

### Data Searching:

Name: AMIT GOSWAMI  
Enrollment No.:21012021003  
Batch/Branch: (4AB5)/CEIT-B

The screenshot shows a window titled "Student Information". Inside, there is a section labeled "Student Data" containing four input fields: "Enroll\_No:" with the value "132", "Name:" (empty), "Branch:" (empty), and "Semester:" (empty). Below this is an "Operations" section with four buttons: "Insert", "Update", "Delete", and "Search".

This screenshot shows the same "Student Information" window, but with the input fields filled: "Enroll\_No:" is "132", "Name:" is "Reet", "Branch:" is "CE", and "Semester:" is "4". A small modal dialog box titled "Searched" with an "OK" button is overlaid on the right side of the window.