

PRACTICAL-10

AIM: Develop a form which accepts and updates sr. no, roll no, name, branch, semester, and other personal information of student and store it into the database. You should be able to search and delete the information about a particular student.

CODE:

```
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;
using System.Runtime.Remoting.Contexts;
using static System.Windows.Forms.VisualStyles.VisualStyleElement;
using System.Linq.Expressions;

namespace Practical10
{
    public partial class Form1 : Form
    {
        SqlConnection con=new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\gurup\OneDrive\Documents\
guru.mdf;Integrated Security=True;Connect Timeout=30");
        public Form1()
        {
            InitializeComponent();

            private void button1_Click(object sender, EventArgs e)
            {
                con.Open();
                SqlCommand cmd=con.CreateCommand();
                cmd.CommandType=CommandType.Text;
                cmd.CommandText = ("insert into guru values('" + textBox1.Text +
                "','" + textBox2.Text + "','" + textBox3.Text + "')");
                cmd.ExecuteNonQuery();
                MessageBox.Show("Data Inserted");
                con.Close();
                show();
            }
            private void show()
            {
                con.Open();
                SqlCommand cmd= con.CreateCommand();
                cmd.CommandType= CommandType.Text;
                cmd.CommandText = ("Select * from guru");
                cmd.ExecuteNonQuery();
                DataTable dt = new DataTable();
                SqlDataAdapter ad = new SqlDataAdapter(cmd);
                ad.Fill(dt);
                dataGridView1.DataSource = dt;
                con.Close();
            }
        }
    }
}
```

```
    }

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

    private void button2_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cd=con.CreateCommand();
        cd.CommandType= CommandType.Text;
        cd.CommandText = ("update guru set Name='"+textBox1.Text+"'
,Marks='"+textBox2.Text+"' ,Enroll='"+textBox3.Text+"' where
Enroll='"+textBox4.Text+"' ");
        cd.ExecuteNonQuery();
        MessageBox.Show("Table Updated");
        con.Close();
        show();
    }

    private void button4_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cd=con.CreateCommand();
        cd.CommandType= CommandType.Text;
        cd.CommandText = ("delete from guru where Enroll='" + textBox4.Text +
""");
        cd.ExecuteNonQuery();
        MessageBox.Show("Row Deleted");
        con.Close();
        show();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = con.CreateCommand();
        cmd.CommandType = CommandType.Text;
        cmd.CommandText = ("Select * from guru where Enroll='" +
textBox4.Text + """);
        SqlDataReader dr = cmd.ExecuteReader();
        while (dr.Read())
        {
            textBox1.Text=dr.GetValue(0).ToString();
            textBox2.Text=dr.GetValue(1).ToString();
            textBox3.Text=dr.GetValue(2).ToString();
        }
        con.Close();
    }
}
```

OUTPUT:

Form1

Name: Rushi

Marks: 5

En.No: 136

Update/Delete/Search En.No:

Insert Update

Delete Search

	Name	Marks	Enroll
▶	Het	10	79
	Guru	10	74
*			

Data Inserted

OK

Form1

Name: Rushi Savani

Marks: 9

En.No: 136

Update/Delete/Search En.No: 136

Insert Update

Delete Search

	Name	Marks	Enroll
▶	Het	10	79
	Rushi	5	136
	Guru	10	74
*			

Table Updated

OK

Form1

Name: Rushi Savani

Marks: 9

En.No: 136

Update/Delete/Search En.No: 74

Insert Update

Delete Search

	Name	Marks	Enroll
▶	Het	10	79
	Rushi Savani	9	136
	Guru	10	74
*			

Row Deleted

OK

SEARCH :

Form1

Name: Het

Marks: 10

En.No: 79

Update/Delete/Search En.No: 79

Insert Update

Delete Search

	Name	Marks	Enroll
▶	Het	10	79
	Guru	10	74
*			