

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: Form1.cs

```
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;

namespace Practical_10
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            SqlConnection cn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Vandan\Documen
ts\test1.mdf;Integrated Security=True;Connect Timeout=30");
            cn.Open();
            string gender = " ";
            if (radioButton1.Checked == true)
            {
                gender = "male";
            }
            if (radioButton2.Checked == true)
            {
                gender = "female";
            }
        }
    }
}
```

```

        //string data = @"insert into
Student_information(EnrollmentNumber,Name) values ()";
        string data = @"insert into
Student_information(EnrollmentNumber,Name,Gender,Branch,Semester,Email
_id,Address,State,Country) values('" + text_enrollno.Text + "','" +
text_name.Text + "','" + gender + "','" + comboBox1.SelectedItem +
"', '" + comboBox2.SelectedItem + "','" + email_id.Text + "','" +
richTextBox1.Text + "','" + comboBox3.SelectedItem + "','" +
comboBox4.SelectedItem + "')";
        SqlCommand c1 = new SqlCommand(data,cn);
        if(c1.ExecuteNonQuery()!=0)
        {
            MessageBox.Show("inserted successfully");
        }
        cn.Close();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        SqlConnection cn1 = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Vandan\Documen
ts\test1.mdf;Integrated Security=True;Connect Timeout=30");
        cn1.Open();
        string search_data= @"Select * from Student_information
where EnrollmentNumber= '" + enroll_search.Text + "'";
        SqlCommand c2 = new SqlCommand(search_data, cn1);
        SqlDataReader d1 = c2.ExecuteReader();
        while (d1.Read())
        {
            text_enrollno.Text = d1.GetValue(0).ToString();
            text_name.Text = d1.GetValue(1).ToString();
            String gender1 = d1.GetValue(2).ToString();
            if (gender1 == "male")
            {
                radioButton1.Checked = true;
            }
            else
            {
                radioButton2.Checked = true;
            }
            comboBox1.SelectedItem = d1.GetValue(3).ToString();
            comboBox2.SelectedItem = d1.GetValue(4).ToString();
            email_id.Text = d1.GetValue(5).ToString();
            richTextBox1.Text = d1.GetValue(6).ToString();
        }
    }

```

```
        comboBox3.SelectedItem = d1.GetValue(7).ToString();
        comboBox4.SelectedItem = d1.GetValue(8).ToString();

    }
    cn1.Close();
}

private void button4_Click(object sender, EventArgs e)
{
    SqlConnection cn2 = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Vandan\Documen
ts\test1.mdf;Integrated Security=True;Connect Timeout=30");
    cn2.Open();
    string update_data = ("update Student_information set
Semester='" + comboBox2.SelectedItem + "' where EnrollmentNumber= '" +
text_enrollno.Text + "'");
    SqlCommand c3 = new SqlCommand(update_data, cn2);
    if (c3.ExecuteNonQuery() != 0)
    {
        MessageBox.Show("Data Update");
    }
    else
    {
        MessageBox.Show("Data not update");
    }
    cn2.Close();
}

private void button5_Click(object sender, EventArgs e)
{
    SqlConnection cn3 = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Vandan\Documen
ts\test1.mdf;Integrated Security=True;Connect Timeout=30");
    cn3.Open();
    string delete = @"delete from Student_information where
EnrollmentNumber = '" + enroll_search.Text + "' ";
    SqlCommand cmd = new SqlCommand(delete, cn3);
    if (cmd.ExecuteNonQuery() != 0)
    {
        MessageBox.Show("Done");
    }
    cn3.Close();

    enroll_search.Clear();
}
```

```
}  
  
}  
  
}
```

Form1.cs[Design]

The screenshot displays the Visual Studio IDE with the 'Form1' window open. The form is divided into two main sections: 'Registration Page' on the left and 'Insert-update-delete' on the right.

Registration Page:

- Name: Text box
- Enrollment No: Text box
- Gender: Radio buttons for 'Male' and 'Female'
- Branch: Dropdown menu with 'Select Branch'
- Semester: Dropdown menu with 'Select Semester'
- Email-id: Text box
- Post Address: Text box
- State: Dropdown menu with 'Select State'
- Country: Dropdown menu
- Photo: Image box with a 'Browser' button next to it
- Submit: Button

Insert-update-delete:

- Enrollment No: Text box
- Search: Button
- Update: Button
- Delete: Button

	Name	Data Type	Allow Nulls	Default	
	EnrollmentNumber	nvarchar(50)	<input type="checkbox"/>		
	Name	nvarchar(50)	<input checked="" type="checkbox"/>		
	Gender	nvarchar(50)	<input checked="" type="checkbox"/>		
	Branch	nvarchar(50)	<input checked="" type="checkbox"/>		
	Semester	nchar(10)	<input checked="" type="checkbox"/>		
	Email_id	nvarchar(50)	<input checked="" type="checkbox"/>		
	Address	nvarchar(50)	<input checked="" type="checkbox"/>		
	State	nvarchar(50)	<input checked="" type="checkbox"/>		
	Country	nvarchar(50)	<input checked="" type="checkbox"/>		
			<input type="checkbox"/>		

Form1

Registration Page

Name:

Enrollment No:

Gender: ☒ Male ☐ Female

Branch: ▼

Semester: ▼

Email-id:

Post Address:

State: ▼

Country: ▼

Photo:

Insert-update-delete

Enrollment No:

Inserted successfully

Form1

Registration Page:

Name:

Enrollment No:

Gender: ☒ Male ☐ Female

Branch:

Semester:

Email-id:

Post Address:

State:

Country:

Photo:

Insert-update-delete

Enrollment No:

Form1

Registration Page:

Name:

Enrollment No:

Gender: ☒ Male ☐ Female

Branch:

Semester:

Email-id:

Post Address:

State:

Country:

Photo:

Insert-update-delete

Enrollment No:

Data Update

	EnrollmentNo...	Name	Gender	Branch	Semester	Email_Id	Address	State	Country
▶	20012011130	Vandan Patel	male	CE	5	vandankumarpa...	Bayad	GUJRAT	INDIA
	20012011136	Yash	male	CE	4	yashpatel56@g...	Modasa	GUJRAT	INDIA
	20012011137	Yash Patel	male	CE	4	yashpatel123@...	Modasa	GUJRAT	INDIA
⊞	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Registration Page

Name

Enrollment No

Gender ☐ Male ☐ Female

Branch

Semester

Email-id

Post Address

State

Country

Photo

Insert-update-delete

Enrollment No

Done

	EnrollmentNu...	Name	Gender	Branch	Semester	Email_id	Address	State	Country
D	20012011136	Yash	male	CE	4	yashpatel56@g...	Modasa	GUJRAT	INDIA
	20012011137	Yash Patel	male	CE	4	yashpatel123@...	Modasa	GUJRAT	INDIA
+	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL