



## **Faculty of Technology**

University of Sri Jayewardenepura

### **Discussion Topics**

**Visual Application and Development**

**ITC 2303**

**Lecturer**

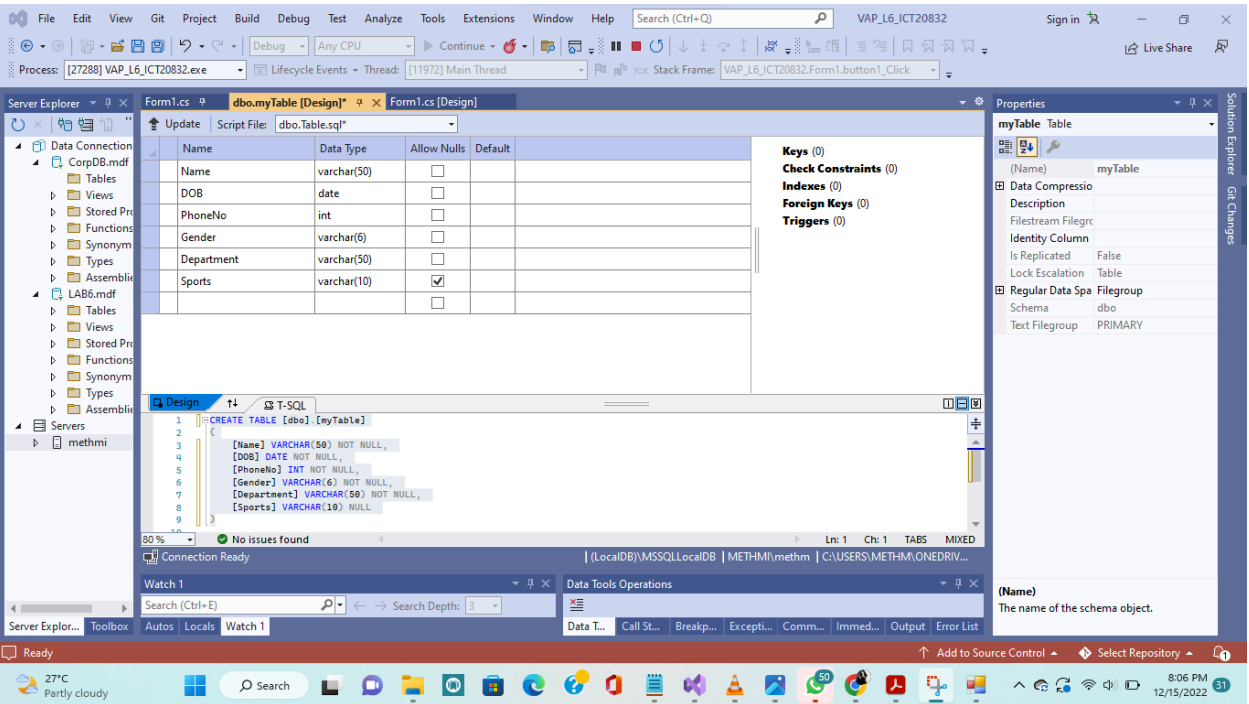
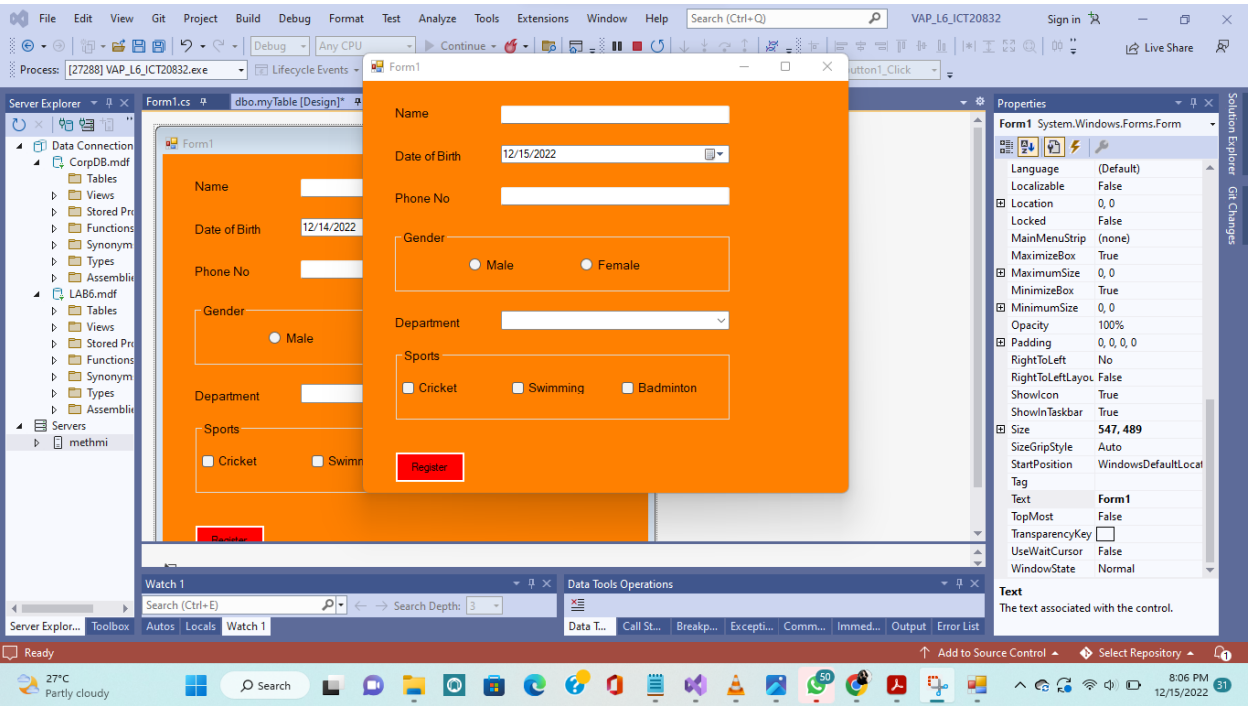
**Mrs. Nirasha**

**Name:** Dharmakeerthi MPBM

**Index No:** ICT/20/832

**Date:** 16-12-2022

01.



```

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.Xml.Linq;
using System.Data.SqlClient;

namespace VAP_L6_ICT20832
{
    public partial class Form1 : Form
    {
        SqlConnection myConn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\methm\OneDrive\Documents\LAB
6.mdf;Integrated Security=True;Connect Timeout=30");
        SqlConnection cmd;

        public Form1()
        {
            InitializeComponent();

            private void Form1_Load(object sender, EventArgs e)
            {

            }

            private void label1_Click(object sender, EventArgs e)
            {

            }

            private void groupBox1_Enter(object sender, EventArgs e)
            {

            }

            private void groupBox2_Enter(object sender, EventArgs e)
            {

            }

            private void dateTimePicker1_ValueChanged(object sender, EventArgs e)
            {

            }

            private void button1_Click(object sender, EventArgs e)
            {
                if (txname.Text == "")
                {
                    MessageBox.Show("Enter Your Name");
                }
            }
        }
    }
}

```

```

        txname.Focus();
    }

    string gender = "";
    if (Male.Checked)
    {
        gender = "Male";
    }
    else if (Female.Checked)
    {
        gender = "Female";
    }

    string Sports = "";
    foreach (var checkedItem in this.checkedListBox2.CheckedItems)
    {

        Sports += checkedItem.ToString() + ",";
    }

    if (DateTime.Now.Year!=null && txname.Text!=null && PhoneNum.Text!=null
    && gender!="" && comboBox1 != null)
    {
        try
        {
            myConn.Open();
            SqlCommand cmd = myConn.CreateCommand();
            cmd.CommandType = CommandType.Text;
            cmd.CommandText = "INSERT INTO
[myTable](Name,DOB,PhoneNo,Gender,Department,Sports) values ('" + txname.Text +
"','" + dateTimePicker1.Text + "','" + PhoneNum.Text + "','" + gender + "','" +
comboBox1.Text + "','" + Sports + "')";
            cmd.ExecuteNonQuery();
            MessageBox.Show("Data INSERTED Successfully");
            Execte_Close_Clear_TextBoxes();
        }
        catch
        {
            MessageBox.Show("Something Wrong. Please Check again");
        }
    }
    else
    {
        MessageBox.Show("Something Wrong. Please Check again");
    }
}

public void Execte_Close_Clear_TextBoxes()
{
    myConn.Close();
    txname.Clear();
    PhoneNum.Clear();
    comboBox1.Focus();
    foreach (int i in checkedListBox2.CheckedIndices)
    {

```

```

        checkedListBox2.SetItemCheckState(i, CheckState.Unchecked);
    }

}

private void Male_CheckedChanged(object sender, EventArgs e)
{

}

private void checkedListBox1_SelectedIndexChanged(object sender, EventArgs
e)
{

}

private void checkedListBox1_SelectedIndexChanged_1(object sender, EventArgs
e)
{

}

}
}

```

02)

The screenshot displays a Visual Studio IDE with the following components:

- Form1.cs [Design]:** The main form titled "EMPLOYEE REGISTRATION FORM". It contains:
  - Input fields for Employee ID, Employee Name, Hometown, Age, and Appointment Date.
  - Radio buttons for gender: Male, Female, and Other.
  - Buttons: Register, Update, Delete, and Display.
  - A table showing employee data.
- Table Data:**

EmpId	Name	Home Town	Age	AppDate	Gender
0				12/16/2022	
1	Methmi	Yakkala	15	12/14/2022	Female
2	Gayathma	Dompe	22	1/21/2022	Female
3	Saneeka	Ragama	21	7/9/2020	Male
- Properties Window:** Shows the design and layout properties for Form1, including AutoScaleMode, AutoScroll, and Size (781, 502).
- Server Explorer:** Displays the database structure, including tables and views.
- Output Window:** Shows the application's output, including the "Add to Source Control" and "Select Repository" buttons.

```

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.Xml.Linq;

namespace two
{
    public partial class Form1 : Form
    {
        SqlConnection myConn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\methm\OneDrive\Documents\LAB
6-2.mdf;Integrated Security=True;Connect Timeout=30");
        SqlConnection cmd;

        public Form1()
        {
            InitializeComponent();
        }

        private void textBox4_TextChanged(object sender, EventArgs e)
        {
        }

        private void textBox5_TextChanged(object sender, EventArgs e)
        {
        }

        private void label6_Click(object sender, EventArgs e)
        {
        }

        private void label5_Click(object sender, EventArgs e)
        {
        }

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

        public void Display_Data()
        {
            myConn.Open();
            SqlCommand cmd = myConn.CreateCommand();
            cmd.CommandType = CommandType.Text;

```

```

        cmd.CommandText = "Select * from [empTable]";
        cmd.ExecuteNonQuery();
        DataTable myDTable = new DataTable();
        SqlDataAdapter myDAdapter = new SqlDataAdapter(cmd);
        myDAdapter.Fill(myDTable);
        dataGridView1.DataSource = myDTable;
        myConn.Close();
    }
    public void Execte_Close_Clear_TextBoxes()
    {
        myConn.Close();
        textBox5.Clear();
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();

        Display_Data();
    }

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

    private void button2_Click(object sender, EventArgs e)
    {
        Display_Data();
    }

    private void button4_Click(object sender, EventArgs e)
    {
    }

    private void label2_Click(object sender, EventArgs e)
    {
    }

    private void button6_Click(object sender, EventArgs e)
    {
        Display_Data();
    }

    private void button2_Click_1(object sender, EventArgs e)
    {
        myConn.Open();
        SqlCommand cmd = myConn.CreateCommand();
        cmd.CommandType = CommandType.Text;
        cmd.CommandText = "DELETE FROM [empTable] where Name = '" +
textBox2.Text + "'";
        cmd.ExecuteNonQuery();
        Execte_Close_Clear_TextBoxes();
        MessageBox.Show("Data DELETED Successfully");
    }

    private void textBox2_TextChanged(object sender, EventArgs e)

```

```

{
}

private void button1_Click(object sender, EventArgs e)
{
    String gender = "";
    if (male.Checked)
    {
        gender = "Male";
    }
    else if (female.Checked)
    {
        gender = "Female";
    }
    else if (other.Checked)
        gender = "Other";

    myConn.Open();
    SqlCommand cmd = myConn.CreateCommand();
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "INSERT INTO
[empTable](EmpId,Name,HomeTown,Age,AppDate,Gender) values ('" + textBox5.Text +
"', '" + textBox2.Text + "', '" + textBox3.Text + "', '" + textBox4.Text + "', '" +
dateTimePicker1.Value.Date + "', '" + gender + "')";
    cmd.ExecuteNonQuery();

    Execte_Close_Clear_TextBoxes();
    MessageBox.Show("Data INSERTED Successfully");
}

private void button3_Click(object sender, EventArgs e)
{
    myConn.Open();
    SqlCommand cmd = myConn.CreateCommand();
    cmd.CommandType = CommandType.Text;
    //or Address = '" + txbAddress + "'
    cmd.CommandText = "UPDATE [MyTable] set Name = '" + textBox2.Text + "'
where EmpId = '" + textBox5.Text + "'";
    cmd.ExecuteNonQuery();
    Execte_Close_Clear_TextBoxes();
    MessageBox.Show("Data UPDATED Successfully");
}

private void button4_Click_1(object sender, EventArgs e)
{
    myConn.Open();
    SqlCommand cmd = myConn.CreateCommand();
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "SELECT * FROM [empTable] where Name = '" +
textBox6.Text + "'";
    cmd.ExecuteNonQuery();
    DataTable DT = new DataTable();
    SqlDataAdapter DA = new SqlDataAdapter(cmd);
    DA.Fill(DT);
    dataGridView1.DataSource = DT;
    myConn.Close();
    textBox5.Clear();
}

```



```
        textBox2.Clear();
        textBox3.Clear();
        textBox4.Clear();

        MessageBox.Show("Data Searched");
    }
}
```