Program 11

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;

namespace abc

{

public partial class Form1 : Form

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-ULAQ9QT;Initial Catalog = Emplyee1; Integrated Security = True");

SqlCommand cmd = new SqlCommand();

SqlDataReader dr;

SqlDataAdapter da;

DataSet ds = new DataSet();

DataTable dt = new DataTable();

public Form1()

{

InitializeComponent();

}

public void loadlist()

{

con.Open();

cmd.CommandText = "select \* from tb1\_Designations";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

while (dr.Read())

{

comboBox1.Items.Add(dr[0].ToString());

comboBox2.Items.Add(dr[1].ToString());

}

}

con.Close();

}

private void label2\_Click(object sender, EventArgs e)

{

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

}

private void comboBox1\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

con.Open();

cmd.Connection = con;

cmd.CommandText = "insert into tb1\_EmployeeDetails(IdEmployee, EmplyoeeName, ContactNumber, IdDesignation, IdRepotingTo) values('" +

textBox1.Text + "','" + textBox2.Text + "','" + textBox3.Text + "','" +

comboBox1.Text + "','" + textBox4.Text + "')";

cmd.ExecuteNonQuery();

MessageBox.Show("Record inserted");

con.Close();

// Clear input fields after insertion

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

textBox4.Text = "";

// Update DataGridView after insertion

UpdateDataGridView();

}

private void UpdateDataGridView()

{

con.Open();

ds.Reset();

ds.Tables.Add(dt);

da = new SqlDataAdapter("select \* from tb1\_EmployeeDetails", con);

da.Fill(dt);

dataGridView1.DataSource = dt.DefaultView;

con.Close();

}

private void Form1\_Load(object sender, EventArgs e)

{

cmd.Connection = con;

loadlist();

}

private void comboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

if (comboBox2.SelectedIndex == 0)

{

dt.Reset();

con.Open();

ds.Reset();

ds.Tables.Add(dt);

da = new SqlDataAdapter("select \* from tb1\_EmployeeDetails ", con);

da.Fill(dt);

dataGridView1.DataSource = dt.DefaultView;

con.Close();

}

else

{

con.Open();

ds.Reset();

ds.Tables.Add(dt);

da = new SqlDataAdapter("select \* from tb1\_EmployeeDetails where IdDesignation = '" + comboBox2.SelectedIndex + "'", con);

da.Fill(dt);

dataGridView1.DataSource = dt.DefaultView;

con.Close();

}

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

}

}

Program 12

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;

namespace \_12th

{

public partial class Form1 : Form

{

SqlConnection con = new SqlConnection(@"Data Source=DESKTOP-ULAQ9QT;Initial Catalog = LSA; Integrated Security = True");

SqlCommand cmd = new SqlCommand();

SqlDataReader dr;

SqlDataAdapter da;

DataSet ds = new DataSet();

DataTable dt = new DataTable();

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

cmd.Connection = con;

con.Open();

cmd.CommandText = "insert into tbl\_Subjects values('" + textBox1.Text

+ "','" + textBox2.Text + "')";

cmd.ExecuteNonQuery();

cmd.Clone();

MessageBox.Show("Record inserted");

con.Close();

textBox1.Text = "";

textBox2.Text = "";

}

private void Form1\_Load(object sender, EventArgs e)

{

dt.Reset();

con.Open();

ds.Reset();

ds.Tables.Add(dt);

da = new SqlDataAdapter("select SubjectName from tbl\_Subjects", con);

da.Fill(dt);

dataGridView1.DataSource = dt.DefaultView;

con.Close();

cmd.Connection = con;

DataGridViewCheckBoxColumn cb = new DataGridViewCheckBoxColumn();

cb.Name = "cbc";

dataGridView1.Columns.Insert(0, cb);

loadlist();

}

public void loadlist()

{

con.Open();

cmd.CommandText = "select \* from tbl\_Lecturers";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

while (dr.Read())

{

comboBox1.Items.Add(dr[1].ToString());

comboBox2.Items.Add(dr[1].ToString());

}

}

con.Close();

}

private void button2\_Click(object sender, EventArgs e)

{

con.Open();

cmd.CommandText = "insert into tbl\_Lecturers values('" + textBox3.Text

+ "','" + textBox4.Text + "')";

cmd.ExecuteNonQuery();

cmd.Clone();

MessageBox.Show("Record inserted");

con.Close();

textBox3.Text = "";

textBox4.Text = "";

}

private void comboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

DataSet ds1 = new DataSet();

DataTable dt1 = new DataTable();

con.Open();

ds1.Reset();

ds1.Tables.Add(dt1);

SqlDataAdapter da1 = new SqlDataAdapter("select \* from tbl\_LecturerSubjects where LecturerName = '" + comboBox2.SelectedItem.ToString() + "'", con);

da1.Fill(dt1);

dataGridView2.DataSource = dt1.DefaultView;

con.Close();

}

private void button3\_Click(object sender, EventArgs e)

{

int i = 0;

foreach (DataGridViewRow row in dataGridView1.Rows)

{

bool iss = Convert.ToBoolean(row.Cells["cbc"].Value);

if (iss)

{

cmd.CommandText = "insert into tbl\_LecturerSubjects values('" + comboBox1.SelectedItem.ToString() + "', '" + row.Cells[1].Value + "')";

con.Open();

cmd.ExecuteNonQuery();

con.Close();

MessageBox.Show("inserted successfully");

}

}

i++;

}

private void InsertLecturerSubject(string lecturerName, string subjectName)

{

try

{

con.Open();

cmd.Connection = con;

cmd.CommandText = "INSERT INTO tbl\_LecturerSubjects VALUES(@LecturerName, @SubjectName)";

cmd.Parameters.AddWithValue("@LecturerName", lecturerName);

cmd.Parameters.AddWithValue("@SubjectName", subjectName);

cmd.ExecuteNonQuery();

MessageBox.Show("Record inserted successfully");

}

catch (Exception ex)

{

MessageBox.Show("Error: " + ex.Message);

}

finally

{

con.Close();

cmd.Parameters.Clear();

}

}

}

}

Program13

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 static System.Windows.Forms.VisualStyles.VisualStyleElement;

namespace LAB13

{

public partial class Form1 : Form

{

SqlConnection con = new SqlConnection(@"Data Source=DELL\_INSPRION;Initial Catalog=lab13;Integrated Security=True");

SqlCommand cmd = new SqlCommand();

SqlDataReader dr;

SqlDataAdapter da;

DataSet ds = new DataSet();

DataTable dt = new DataTable();

public Form1()

{

InitializeComponent();

}

private void Form1\_Load(object sender, EventArgs e)

{

cmd.Connection = con;

loadlist();

}

public void loadlist()

{

con.Open();

cmd.CommandText = "select \* from tbl\_VehicleTypes";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

comboBox1.Items.Clear(); // Clear existing items

while (dr.Read())

{

comboBox1.Items.Add(dr[1].ToString());

}

}

con.Close();

con.Open();

cmd.CommandText = "select \* from tbl\_ServiceDetails";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

comboBox2.Items.Clear(); // Clear existing items

while (dr.Read())

{

comboBox2.Items.Add(dr[1].ToString());

}

}

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

con.Open();

cmd.CommandText = "insert into tbl\_ServiceDetails values('" + textBox1.Text + "','" +

textBox2.Text + "','" + textBox3.Text + "','" + comboBox1.SelectedItem.ToString() + "')";

cmd.ExecuteNonQuery();

cmd.Clone();

MessageBox.Show("Record inserted");

con.Close();

textBox1.Text = "";

textBox2.Text = "";

textBox3.Text = "";

loadlist(); // Reload the ComboBox items after inserting a record

}

String a;

private void button2\_Click(object sender, EventArgs e)

{

con.Open();

cmd.CommandText = "select \* from tbl\_VehicleTypes where VehicleType='" + textBox4.Text + "'";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

while (dr.Read())

{

a = dr[2].ToString();

}

}

con.Close();

if (!string.IsNullOrEmpty(a))

{

textBox6.Text = Convert.ToString(Convert.ToInt64(textBox5.Text) + Convert.ToInt64(a));

}

else

{

MessageBox.Show("Vehicle Type not found");

}

}

private void comboBox2\_SelectedIndexChanged(object sender, EventArgs e)

{

con.Open();

cmd.CommandText = "select \* from tbl\_ServiceDetails where VehicleNumber='" +

comboBox2.SelectedItem.ToString() + "'";

dr = cmd.ExecuteReader();

if (dr.HasRows)

{

while (dr.Read())

{

textBox4.Text = dr[3].ToString();

}

}

con.Close();

}

}

}