**27. Program to create a login-signup form with database connectivity.**

**Register.cs**

using System;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace LoginSignUp

{

public partial class Register : Form

{

public Register()

{

InitializeComponent();

}

private void linkLabel1\_LinkClicked(object sender,

LinkLabelLinkClickedEventArgs e)

{

Login login = new Login();

login.Show();

}

{

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

if(textBox3.Text != textBox4.Text) {

MessageBox.Show("Password and confirm password must be same.");

}

string name = textBox1.Text;

string username = textBox2.Text;

string password = textBox3.Text;

string constr = "Data

Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=\"C:\\Users\\Dell\\source\\Ananya

Shukla\\LoginSignUp\\Database1.mdf\";Integrated Security=True; Initial

Catalog=Database1";

using (SqlConnection con = new SqlConnection(constr))

{

try

{

using (SqlCommand cmd = new SqlCommand("INSERT INTO UserTable

([Username], Name, Password) VALUES (@Username, @Name, @Password)", con))

{

cmd.Parameters.AddWithValue("@Name", name);

cmd.Parameters.AddWithValue("@UserName", username);

cmd.Parameters.AddWithValue("@Password", password);

con.Open();

cmd.ExecuteNonQuery();

con.Close();

}

MessageBox.Show("User data added successfully!");

}catch (SqlException ex)

{

if (ex.Number == 2627)

{

MessageBox.Show("Duplicate username. Please choose a

different username.");

}

else

{

MessageBox.Show("Error during data entry: " +

ex.Message);

}

}

}

}

}

}

**Login.cs**

using System;

using System.Data.SqlClient;

using System.Windows.Forms;

using static System.Windows.Forms.VisualStyles.VisualStyleElement;

namespace LoginSignUp

{

public partial class Login : Form

{

public Login()

{

InitializeComponent();

}

private void linkLabel1\_LinkClicked(object sender,

LinkLabelLinkClickedEventArgs e)

{

Register register = new Register();

register.Show();

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

this.BackColor = Color.LightCoral;

}

{

}

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

this.BackColor = Color.SteelBlue;

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

this.Close();

private void greenToolStripMenuItem\_Click\_1(object sender, EventArgs e)

this.BackColor = Color.DarkSeaGreen;

{

}

{

}

{

}

{

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

string username = textBox2.Text;

string password = textBox3.Text;

string constr = "Data

Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=\"C:\\Users\\Dell\\source\\Ananya

Shukla\\LoginSignUp\\Database1.mdf\";Integrated Security=True; Initial

Catalog=Database1";

using (SqlConnection con = new SqlConnection(constr))

{

try

{

con.Open();string query = "SELECT COUNT(\*) FROM UserTable WHERE Username

= @Username AND Password = @Password";

using (SqlCommand cmd = new SqlCommand(query, con))

{

cmd.Parameters.AddWithValue("@Username", username);

cmd.Parameters.AddWithValue("@Password", password);

int userCount = (int)cmd.ExecuteScalar();

if (userCount > 0)

{

string nameQuery = "SELECT Name FROM UserTable WHERE

Username = @Username AND Password = @Password";

using (SqlCommand nameCmd = new SqlCommand(nameQuery,

con))

{

username);

password);

nameCmd.Parameters.AddWithValue("@Username",

nameCmd.Parameters.AddWithValue("@Password",

Dashboard(userName);

SqlDataReader reader = nameCmd.ExecuteReader();

if (reader.Read())

{

string userName = reader["Name"].ToString();

Dashboard dashboard = new

dashboard.Show();

MessageBox.Show("Login successful!");

}

}

}

else

{

}

MessageBox.Show("Invalid username or password.");

}

}

catch (Exception ex)

{

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

}

}

}

}

}

**Form1.cs (Dashboard page)**

using System;

using System.Windows.Forms;

namespace LoginSignUp

{

public partial class Dashboard : Form

{

public Dashboard(string username)

{

InitializeComponent();

label1.Text = "Welcome " + username;

}

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

{

}

}

}