**26. Program to display the data from the database.**

**CODE:**

**Form1.cs**

using System;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace FormDatabase

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

}

{

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

string firstName = textBox1.Text;

string lastName = textBox2.Text;

string username = textBox3.Text;

string password = textBox4.Text;

string constr = "Data

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

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

Catalog=Database1";

using (SqlConnection con = new SqlConnection(constr))

{

try

{

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

([Username], Password, FirstName, LastName) VALUES (@Username, @Password,

@FirstName, @LastName)", con))

{

cmd.Parameters.AddWithValue("@FirstName", firstName);

cmd.Parameters.AddWithValue("@LastName", lastName);

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);

}

}

}

}

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

{

Form2 login = new Form2();

login.Show();

}

}

}

**Form2.cs(login)**

using System;

using System.Data.SqlClient;

using System.Windows.Forms;

namespace FormDatabase

{

public partial class Form2 : Form

{

public Form2()

{

InitializeComponent();

}

{

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

string username = textBox1.Text;

string password = textBox2.Text;

string constr = "Data

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

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

Catalog=Database1";

using (SqlConnection con = new SqlConnection(constr))

{

try

{

con.Open();

string query = "SELECT COUNT(\*) FROM Users 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 FirstName, LastName FROM

Users WHERE Username = @Username AND Password = @Password";

using (SqlCommand nameCmd = new SqlCommand(nameQuery,

con))

{

username);

password);

nameCmd.Parameters.AddWithValue("@Username",

nameCmd.Parameters.AddWithValue("@Password",

SqlDataReader reader = nameCmd.ExecuteReader();

if (reader.Read())

{string firstName =

reader["FirstName"].ToString();

string lastName =

reader["LastName"].ToString();

label6.Text = firstName;

label7.Text = lastName;

MessageBox.Show("Login successful!");

}

}

}

else

{

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

}

}

catch (Exception ex)

}

{

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

}

}

}

}

}