



Program 1

Pdf:

<https://s3-us-west-2.amazonaws.com/secure.notion-static.com/0ea85f09-d64d-484e-8443-e74afc227efd/Program1.pdf>

Create a web application to perform simple login using database.

Design / Structure:

The screenshot shows a Visual Studio IDE window with the title 'WebForm1.aspx'. The design view displays a 'Login Page' with the following controls: a 'Username:' label followed by a text box, a 'Password:' label followed by a text box, a 'Login' button, and a 'Label' control at the bottom.

Source Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

namespace PartBOne
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Button1_Click(object sender, EventArgs e)
        {
            String str1;
            SqlConnection con = new SqlConnection(@"Data Source=localhost\SQLEXPRESS;Initial Catalog=simpledb;Integrated Security=True");

            try
            {
                Object uname;
                con.Open();
                str1 = "select * from LoginTable where Username like '" + usrBox.Text + "' and Password like '" + pwdBox.Text + "'";
                SqlCommand cmd1 = new SqlCommand(str1, con);
                uname = cmd1.ExecuteScalar();
            }
        }
    }
}
```

```

        if (uname == null)
        {
            successLabel.Text = "Login Failed";
        }
        else
        {
            successLabel.Text = "Login Successful";
        }

        con.Close();
    }
    catch (Exception ex)
    {
        successLabel.Text = "Login Failed";
    }
}
}
}

```

Table:

dbo.LoginTable [Design] WebForm1.aspx.cs* WebForm1.aspx

Update Script File: dbo.LoginTable.sql

Name	Data Type	Allow Nulls	Default
Username	varchar(50)	<input type="checkbox"/>	
Password	varchar(50)	<input type="checkbox"/>	
		<input type="checkbox"/>	

Design T-SQL

```

1 CREATE TABLE [dbo].[LoginTable] (
2 [Username] VARCHAR (50) NOT NULL,
3 [Password] VARCHAR (50) NOT NULL,
4 PRIMARY KEY CLUSTERED ([Username] ASC)
5 );
6

```

dbo.LoginTable [Data] dbo.LoginTable [Design]

Max Rows: 1000

	Username	Password
▶	vigneshmr	helloworld
⊕	NULL	NULL

Output:

Login Page

Username:

Password:

Login

Login Successful