Start with our first SQL project from Canvas, 02-1stDBAcess-WinForm.zip.

If you have not already …

1) Get SQL Server or SQL Server Express installed.

2) Get SSMS installed

3) Attach the Northwind database. Canvas has a PPT on how to do that, and the zipped MDF file is there too.

Now edit the connection string in that 02-1stDBAcess-WinForm project and get it to run.

You might want to delete the textbox and button that are on the form, as we are not using them. Also, drag the form and the listview to be wider to allow room for a new 3rd column.

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Now you are ready to do the homework. The goal is to change the query, and therefore the display, to show from the **Customers** table, the **CompanyName** and **Country**, as well as from the **Orders** table the **OrderDate**. That means you need to design an inner join between the Customers table and the Orders table, where the CustomerID fields match. I also want a “where” clause as part of the query so that only Customers where their Country is “USA” are included. See the screen shot at the end.

I suggest you get this working in 3 stages. First get a simple query working for just the **Customers** table, showing only the **CompanyName** and **Country.** Next expand your SELECT statement to do the inner join. After that works, add the where clause for just USA. I used the query builder tool to design my inner join. Note that I updated that PPT today as the new versions of SSMS have a different way of starting that editor.

You need to change 3 areas of that program so that it displays new information.

1) In the listview1.Columns.Add area, you need to change this text a bit, and add a third column.

listView1.Columns.Add("CompanyName", 200, HorizontalAlignment.Left);

listView1.Columns.Add("Phone", 100, HorizontalAlignment.Left);

2) You need to replace the query string that is now: Select CompanyName, Phone from Shippers

3) You need to modify this code to show 3 items, not two.

while (sqlReader.Read())

{

listView1.Items.Add(sqlReader[0].ToString());

listView1.Items[listView1.Items.Count - 1].SubItems.Add(sqlReader[1].ToString());

}

