

Reporting in Visual Studio (2) – Displaying the results of a parameter query.

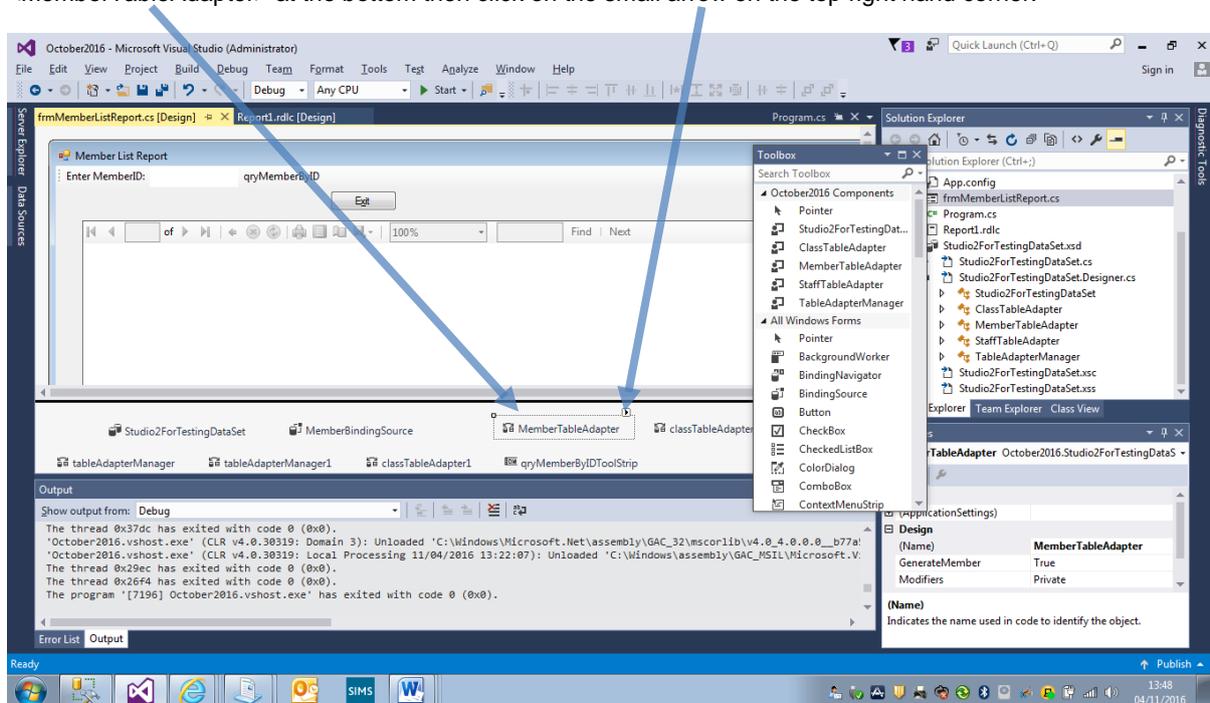
For the purpose of this exercise open 'MS SQL Server' and restore the database file <Studio2ForTesting.bak> which was sent in an email along with this tutorial. Complete the earlier tutorial <Reporting in Visual Studio (1)> before attempting this tutorial.

After creating the earlier report and adding it to a form you can now use the form/report to display the results from a parameter query.

How do I create a parameter query in Visual Studio?

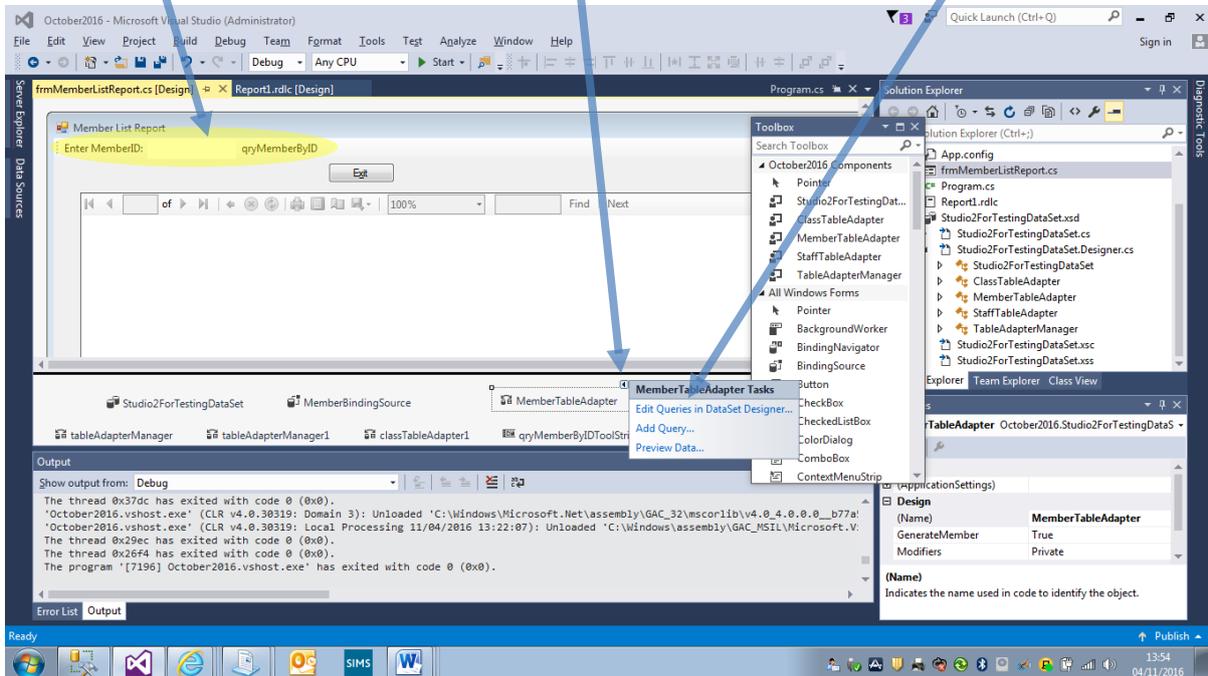
This will create a parameter query for the Member Table.

Open the form that holds the report in Design View (the .cs file) and select the <MemberTableAdapter> at the bottom then click on the small arrow on the top right hand corner.

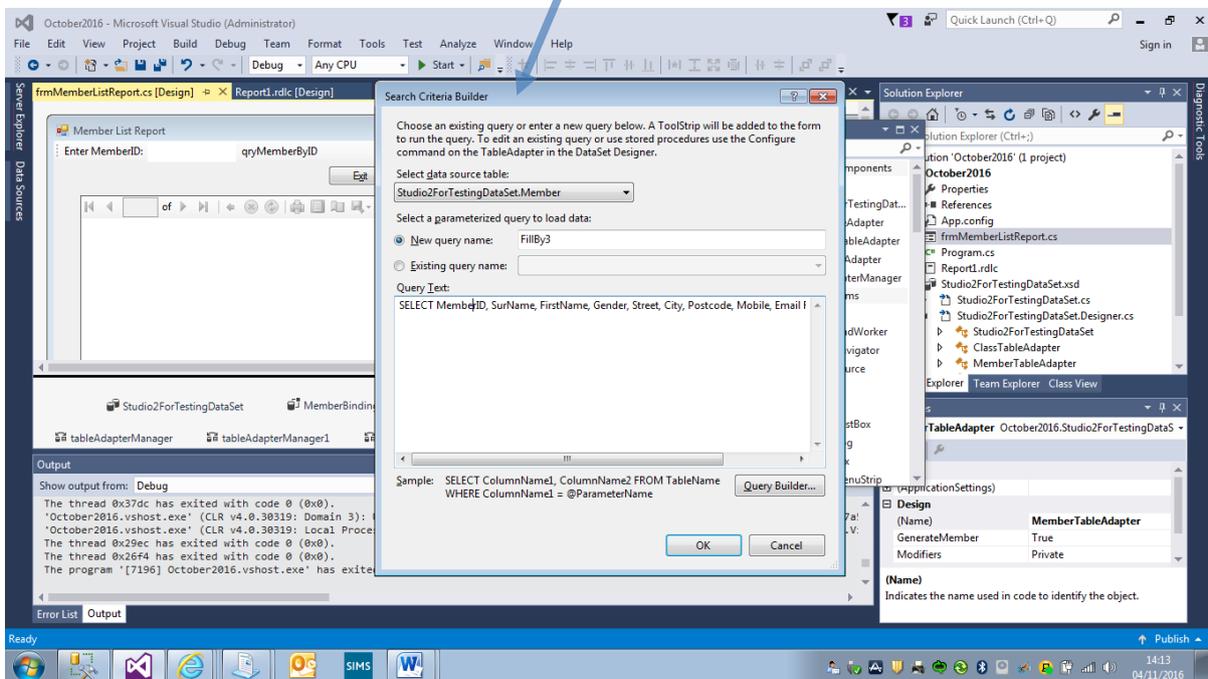


Clicking on the arrow will now open the <MemberTableAdapter Tasks> window. Now select <Add Query>

(Note this ToolStrip will be added automatically by Visual Studio after the query has been created, you can edit the text displayed to meet your needs).



Clicking <Add Query> will open a <Search Criteria Builder> window.



Select <New query name:> and type a name for the query. By default the query text is a simple SELECT query to display all the fields in the table. Edit the query text to suit. NOTE – the query must be written in SQL. Note the format of the <WHERE> statement in the next page.

As mentioned earlier the ToolStrip will be added to the form to run the query.

Search Criteria Builder

Choose an existing query or enter a new query below. A ToolStrip will be added to the form to run the query. To edit an existing query or use stored procedures use the Configure command on the TableAdapter in the DataSet Designer.

Select data source table:
Studio2ForTestingDataSet.Member

Select a parameterized query to load data:

New query name: qryMemberByID(MemberID)

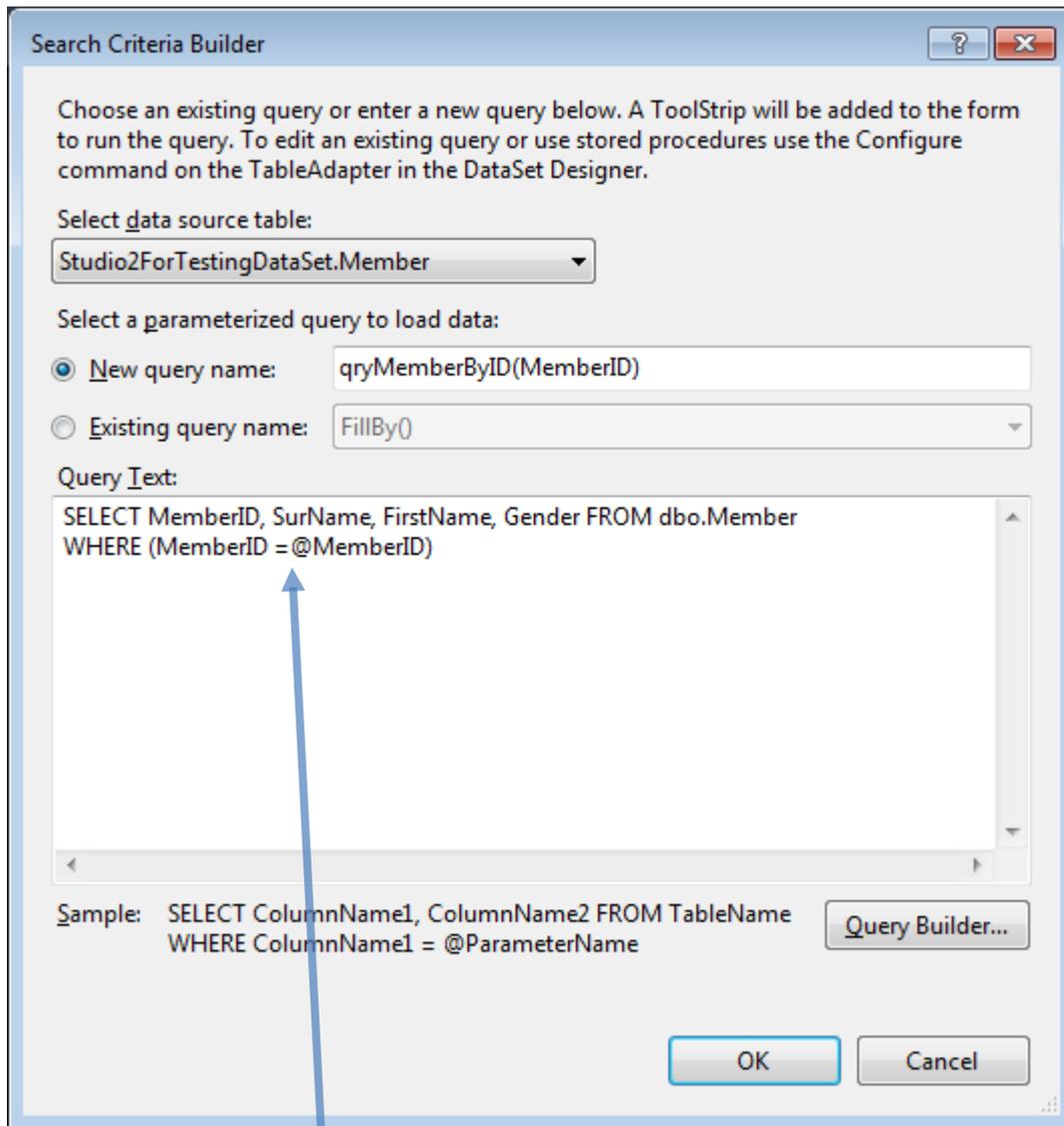
Existing query name: Fill() [Default]

Query Text:
SELECT MemberID, SurName, FirstName, Gender, Street, City, Postcode, Mobile, Email f

Sample: SELECT ColumnName1, ColumnName2 FROM TableName
WHERE ColumnName1 = @ParameterName

Query Builder...

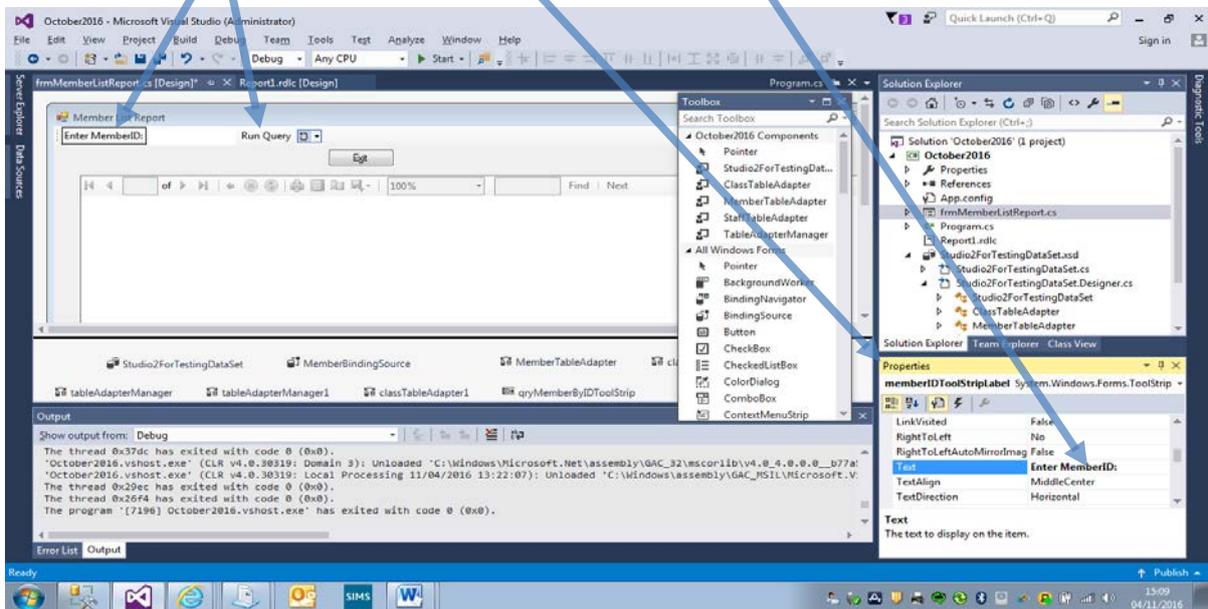
OK Cancel



Note the format of the <WHERE> text, it must be enclosed inside brackets and it must also include the @ symbol after the = symbol, as shown. When finished click <OK>. This will allow Visual Studio to create the code and add the ToolStrip to the form.

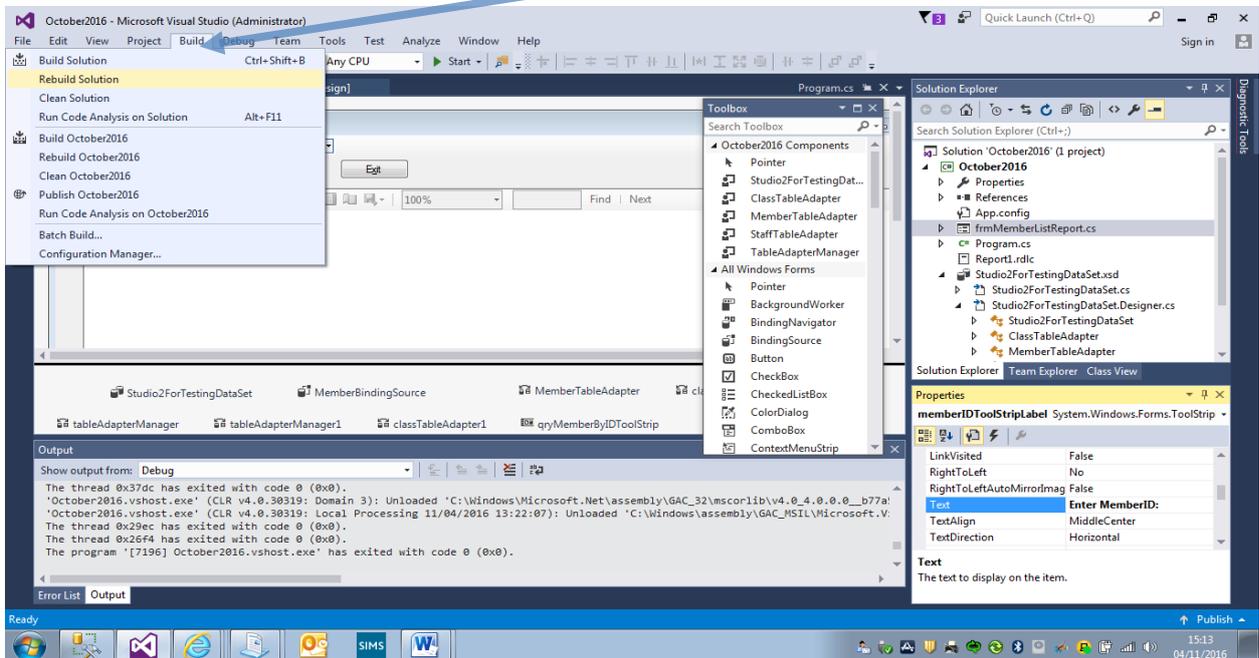
Modifying the form.

1. Open the form in design view.
2. Click on the text boxes and in the Properties window edit the text to be displayed.



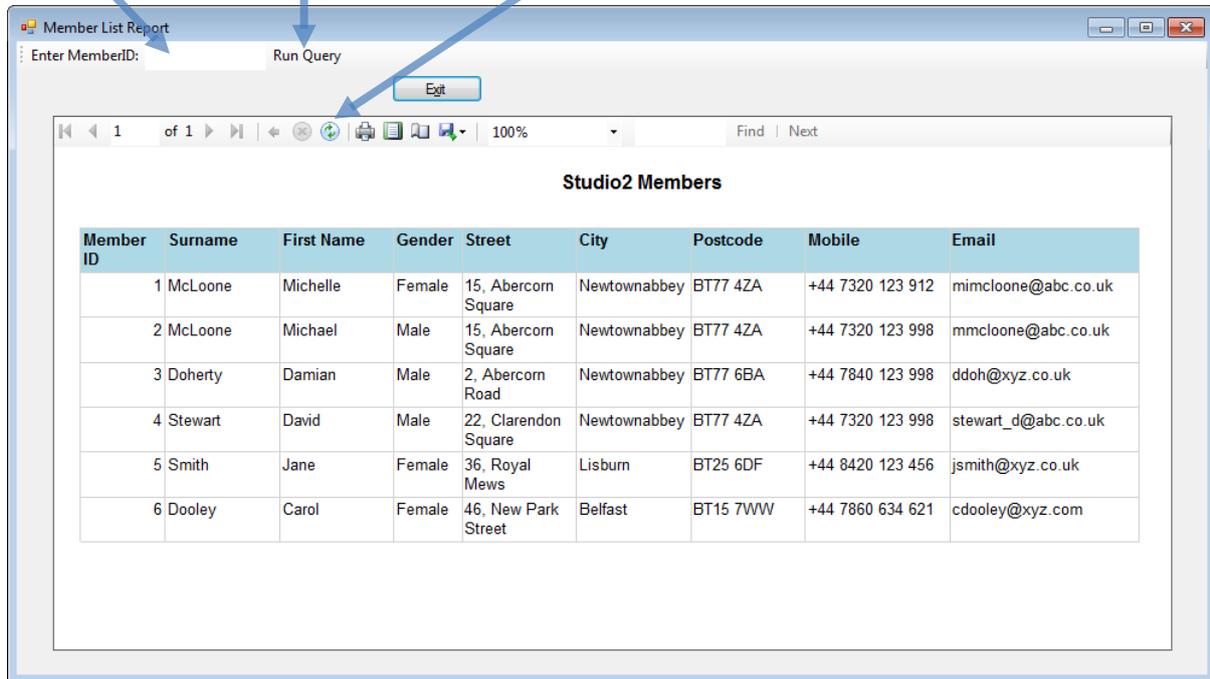
Running the query.

After completing the above actions the solution must be rebuilt prior to running the form.



This shows the results from the earlier report (Tutorial 1).

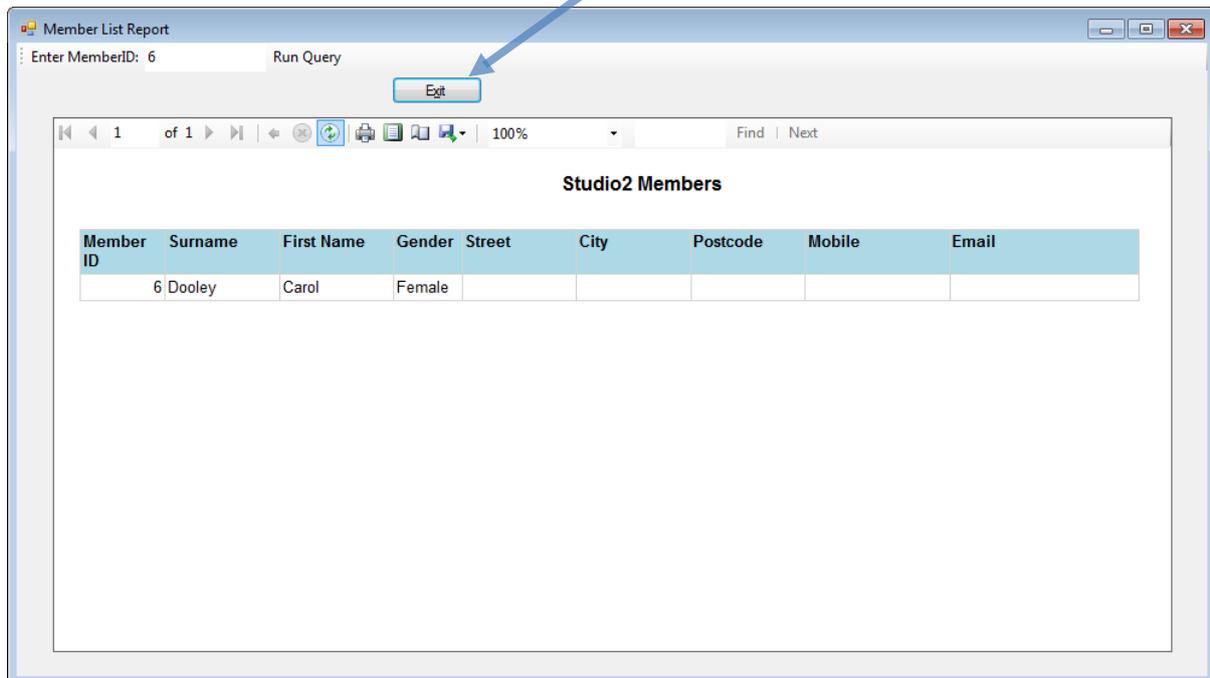
Input Box Run Query Button Refresh Report icon



To run the query;

1. enter the MemberID into the input box.
2. Click the **Run Query** button.
3. Click the **Refresh Report** icon.

Command Button to close the program



You may wish to experiment with other queries.