RDLC:

Report Definition language client.

The ReportViewer control supports a local processing mode that allows you to run client report definition (.rdlc) files using the built-in processing capability of the control. The client reports that you run in local processing mode can be easily created in your application project. There are four approaches to creating the report:
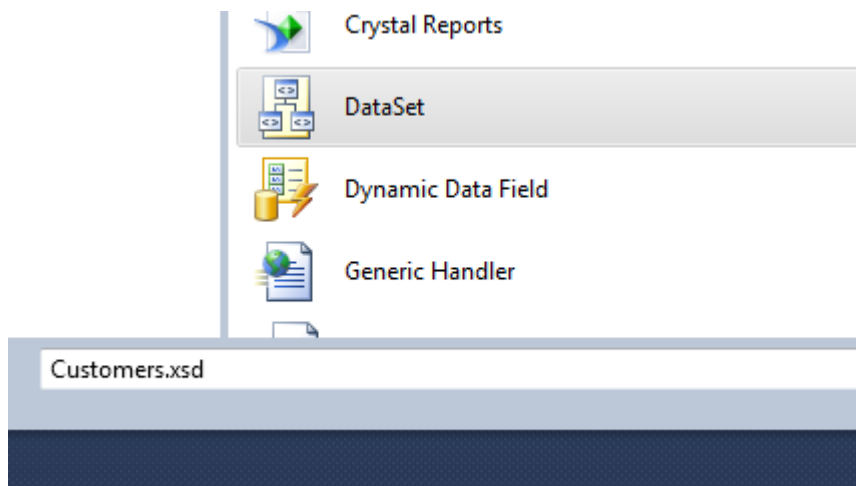
1. Create a new client report definition (.rdlc) file using the Report Wizard.
2. Create a new client report definition (.rdlc) file in Visual Studio.
3. Generate a report definition programmatically.

If you are not having dataset in your project then you have to add typed dataset.

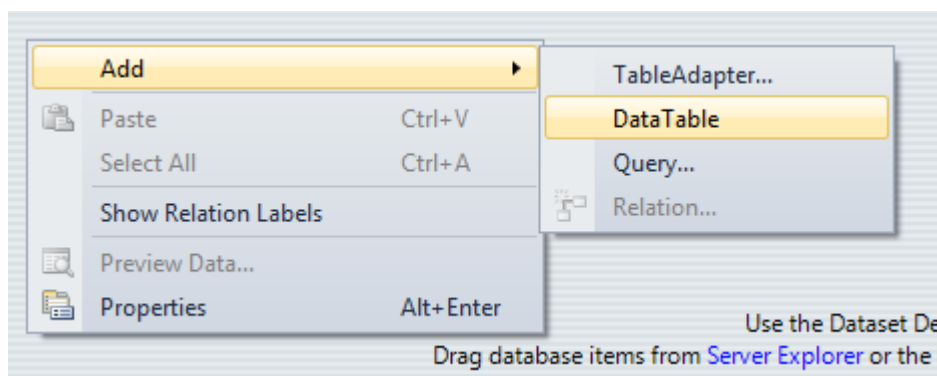Below are the steps to add RDLC Report in your application.

1. **Add Typed DataSet to the Project**
Right Click on Project>Add>New Item>DataSet to add new dataset.You can even use existing dataset available in your application.
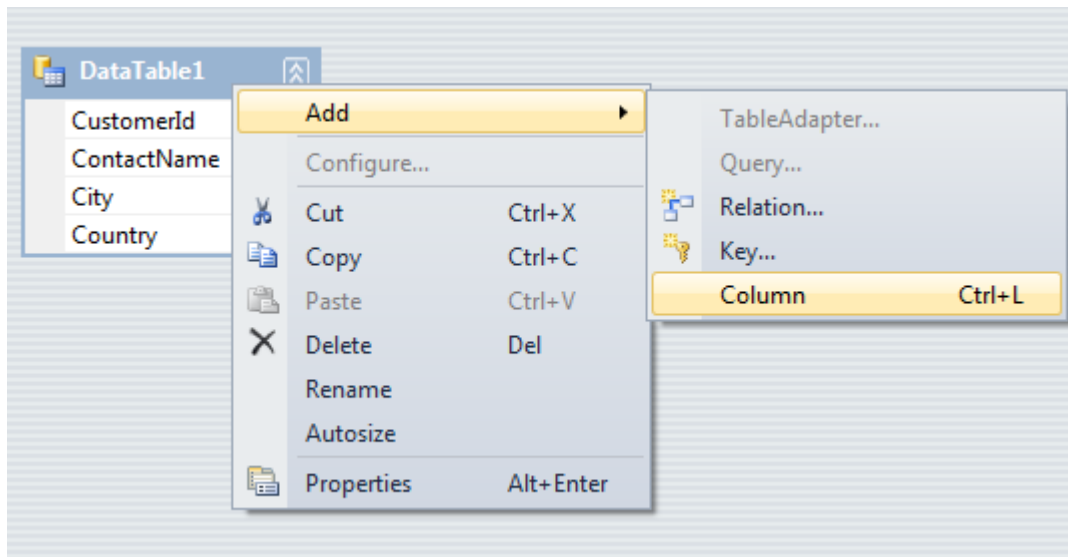

2. Adding DataTable to the Typed DataSet

Our next step would be to add a DataTable to the Type DataSet.

3. Adding Columns or fields to DataTable

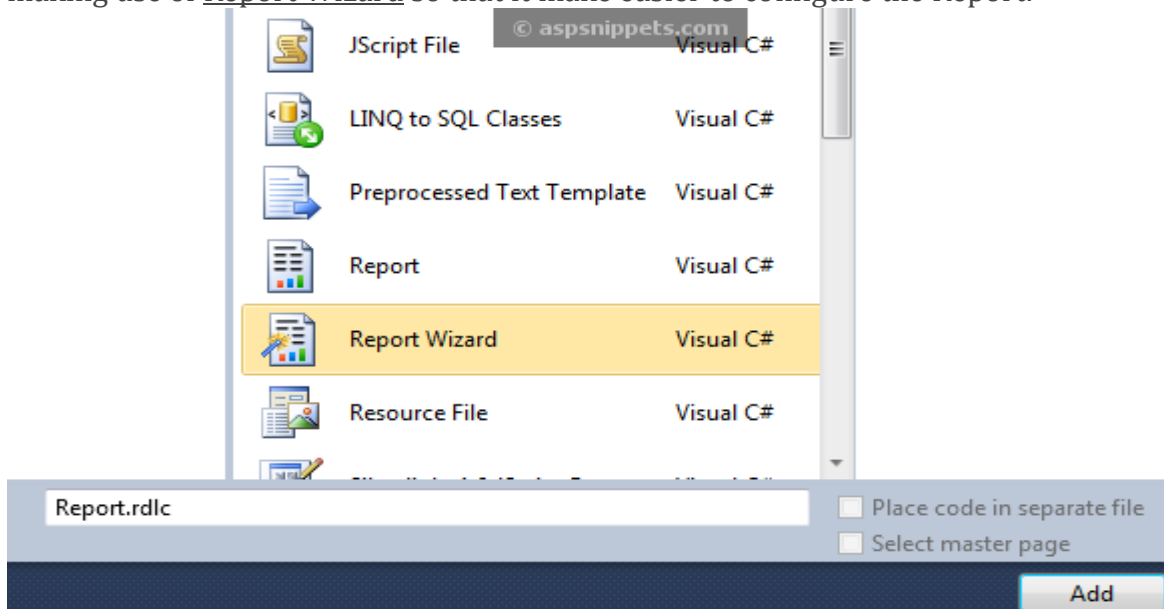In the DataTable we need to specify the column names that we want to display in the RDLC Report.

By default all the columns are of String Data Type but you can also change the data type as per your need.

4. Adding the RDLC Report

Using the Add New Item option in Visual Studio you need to add new RDLC Report. I am making use of Report Wizard so that it make easier to configure the Report.

5. Choose the DataSet

Now we need to choose the DataSet that will act as the DataSource for the RDLC Report. Thus we need to select the Customers DataSet that we have created earlier.

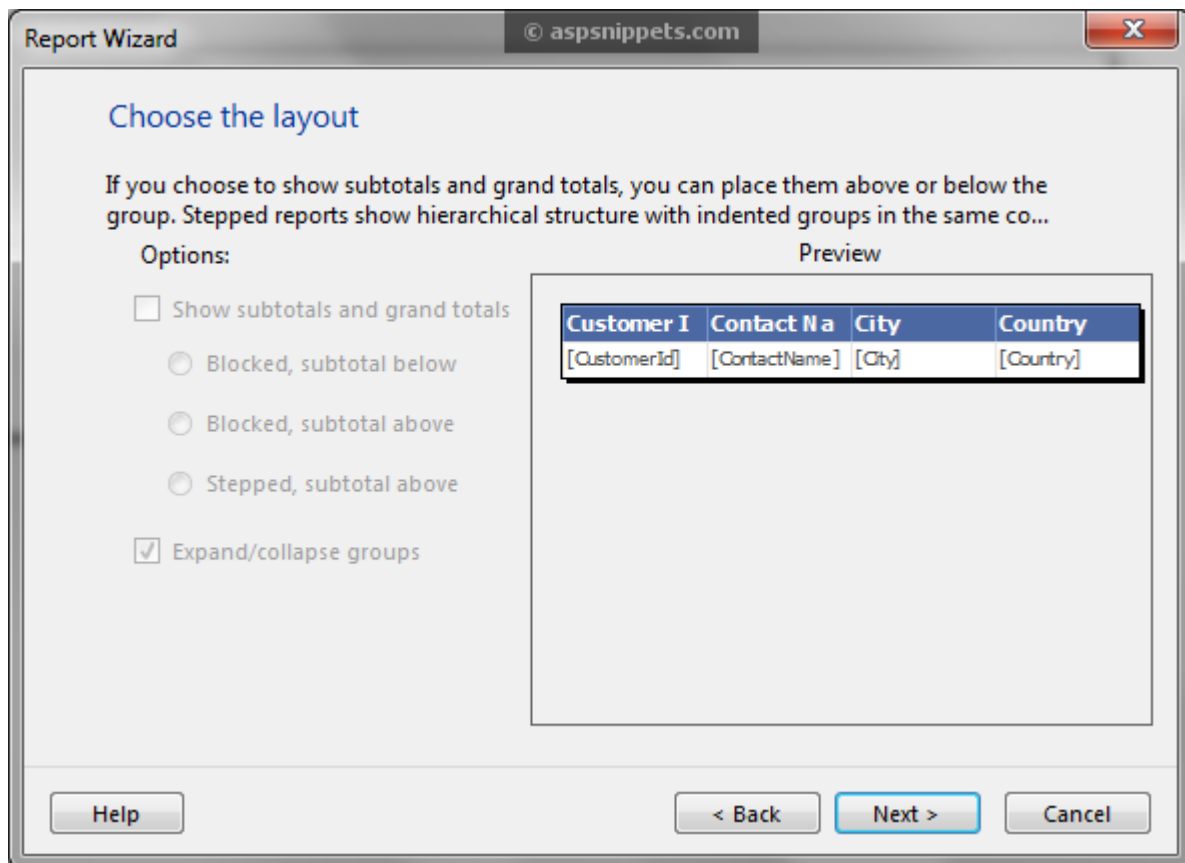## 6. Choose the Fields to be displayed in the RDLC Report

Next we need to choose the fields that we need to display, we need to simply drag and drop each fields into the Values Box as shown in the screenshot below.
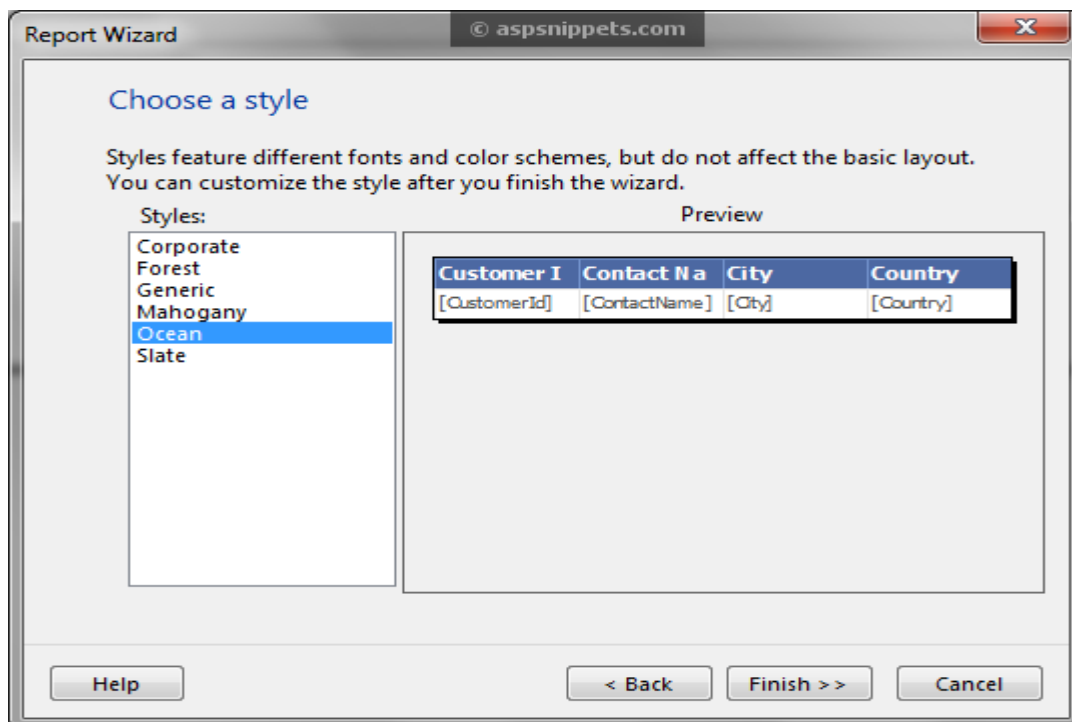
7. Choose the Layout
The next dialog will ask us to choose the layout, we can simply skip it as of now as this is a simple Report with no calculations involved.
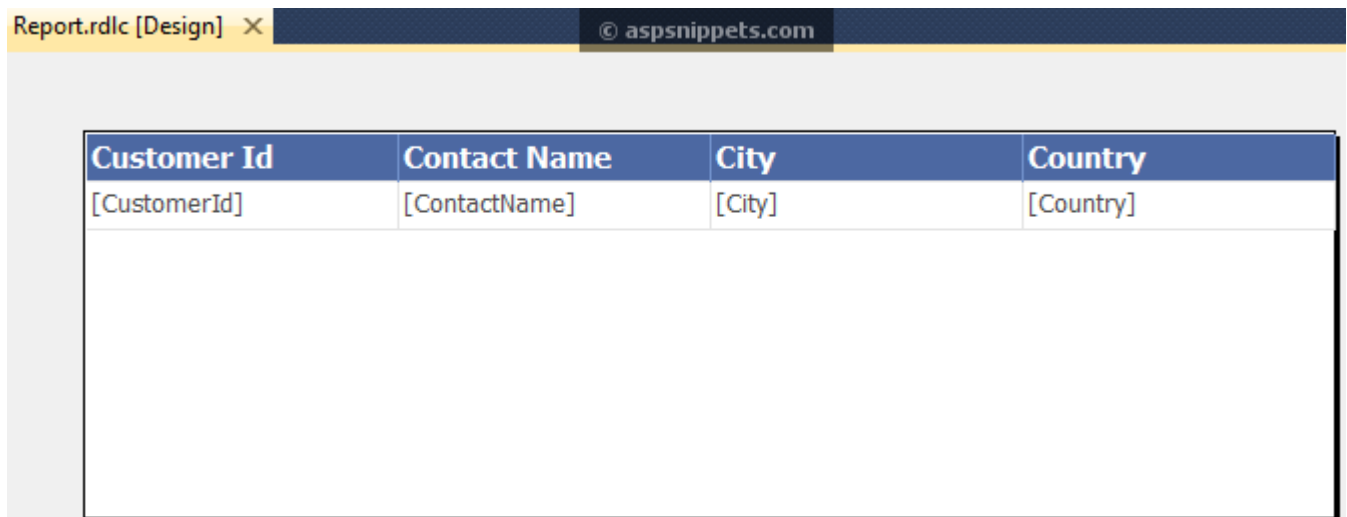
Report Wizard © aspsnippets.com X

Choose the layout

If you choose to show subtotals and grand totals, you can place them above or below the group. Stepped reports show hierarchical structure with indented groups in the same co...

Options:

☐ Show subtotals and grand totals

  ◯ Blocked, subtotal below

  ◯ Blocked, subtotal above

  ◯ Stepped, subtotal above

☑ Expand/collapse groups

Preview

Customer I	Contact Na	City	Country
[CustomerId]	[ContactName]	[City]	[Country]

Help   < Back   Next >   Cancel

8. Choose the Style

Finally we need to choose the style, i.e. color and theme of the Report.

Report Wizard © aspsnippets.com X

Choose a style

Styles feature different fonts and color schemes, but do not affect the basic layout. You can customize the style after you finish the wizard.

Styles:

Corporate
Forest
Generic
Mahogany
Ocean
Slate

Preview

Customer I	Contact Na	City	Country
[CustomerId]	[ContactName]	[City]	[Country]

Help   < Back   Finish >>   Cancel
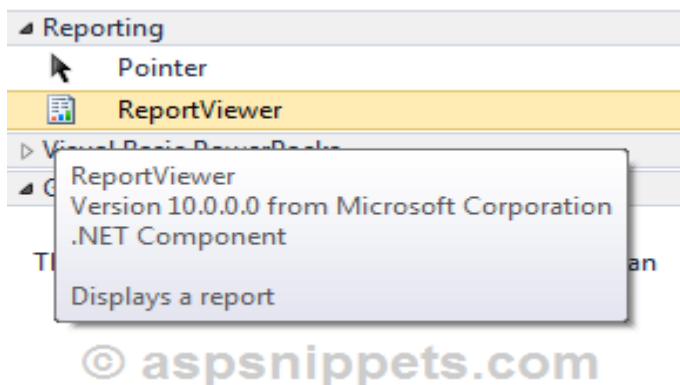
Once you press Finish button on the above step, the Report is ready and is displayed in the Visual Studio as shown below.

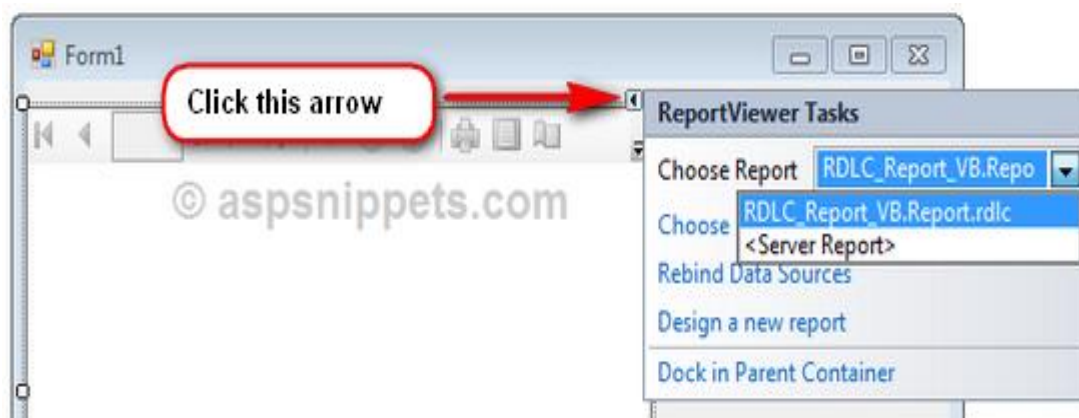## 9. Adding Report Viewer to the Form

In order to display the Report we will need to add ReportViewer control to the Form from the Toolbox.

Once you add the ReportViewer control to the Form, your Form must look as below. You will need to click on the small arrow present on the top right corner of the Report Viewer and choose the RDLC Report as shown below.

10. Populating the RDLC Report from Database:

By selecting .rdlc file your data will be displayed in Form1 using report viewer format.