

Chapter-5: Creating a SubReport in SSRS

A sub report is a report within another report i.e there will be two reports one the Master and the other the child where the master will invoke the child report based on certain parameters. The child report or sub report can accept parameters from the master report and will execute its work.

Step 1: The Master report will execute the query from customer master table as given below

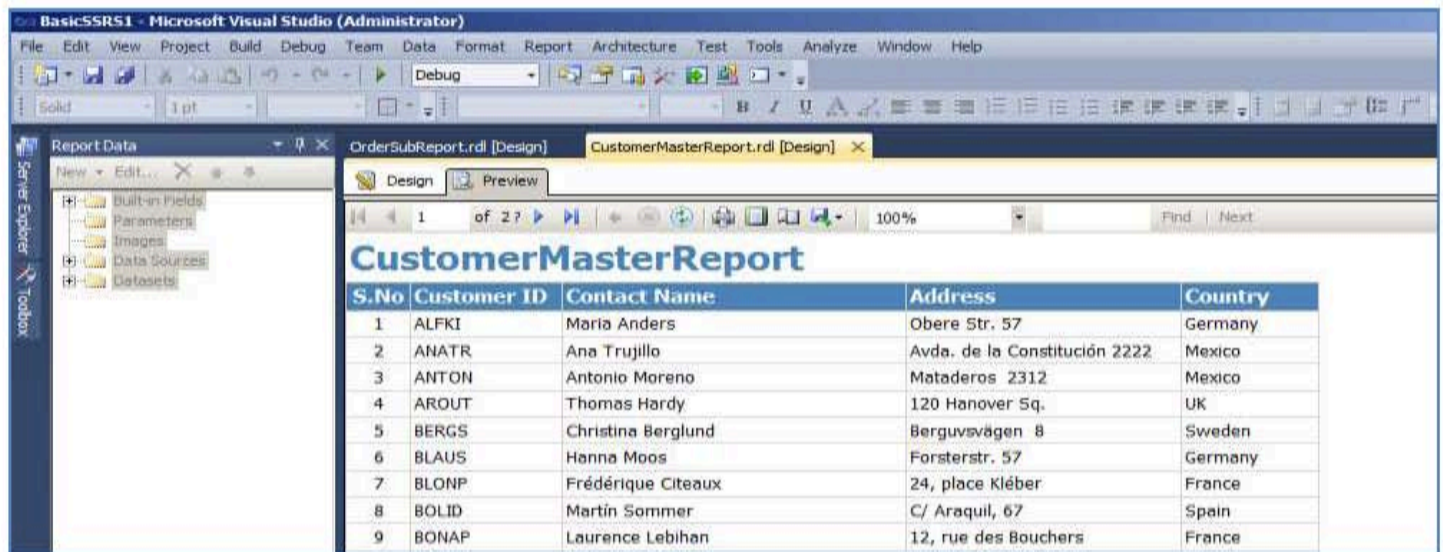
```
SELECT [CustomerID],[ContactName],[Address],[Country] FROM [Northwind].[dbo].[Customers]
```

And for the Subreport we will execute the below query form orders table

```
SELECT [OrderID],[CustomerID],[OrderDate],[ShippedDate],[ShipName],[ShipCountry] FROM [Northwind].[dbo].[Orders] where ShipCountry=@country
```

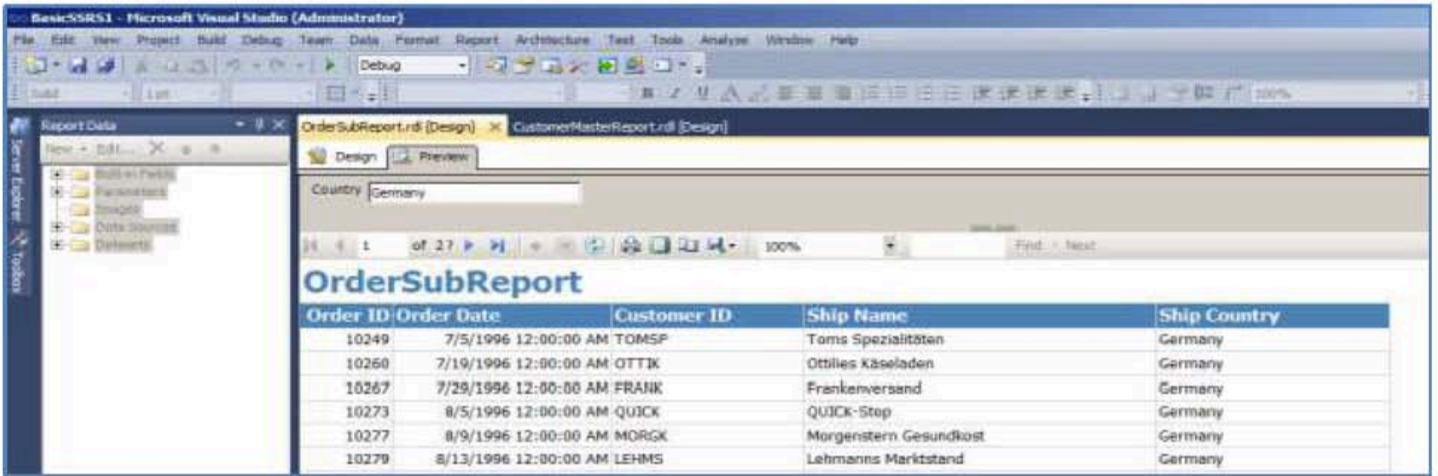
We are passing the @Country as parameter. So at runtime based on the parameter value passed, the sub report will be generated. The report will have two parts.

Step 2: Create a Master Report as it was already explained in Chapter-1 of SSRS Reporting

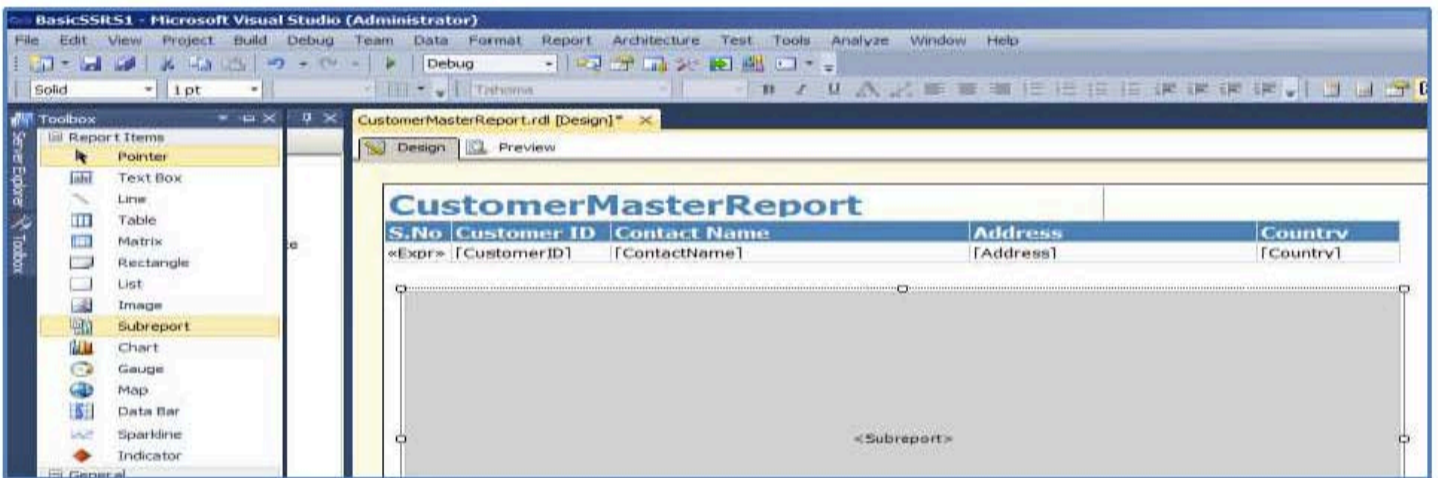


S.No	Customer ID	Contact Name	Address	Country
1	ALFKI	Maria Anders	Obere Str. 57	Germany
2	ANATR	Ana Trujillo	Avda. de la Constitución 2222	Mexico
3	ANTON	Antonio Moreno	Mataderos 2312	Mexico
4	AROUT	Thomas Hardy	120 Hanover Sq.	UK
5	BERGS	Christina Berglund	Berguvsvägen 8	Sweden
6	BLAUS	Hanna Moos	Forsterstr. 57	Germany
7	BLONP	Frédérique Citeaux	24, place Kléber	France
8	BOLID	Martin Sommer	C/ Araquil, 67	Spain
9	BONAP	Laurence Lebihan	12, rue des Bouchers	France

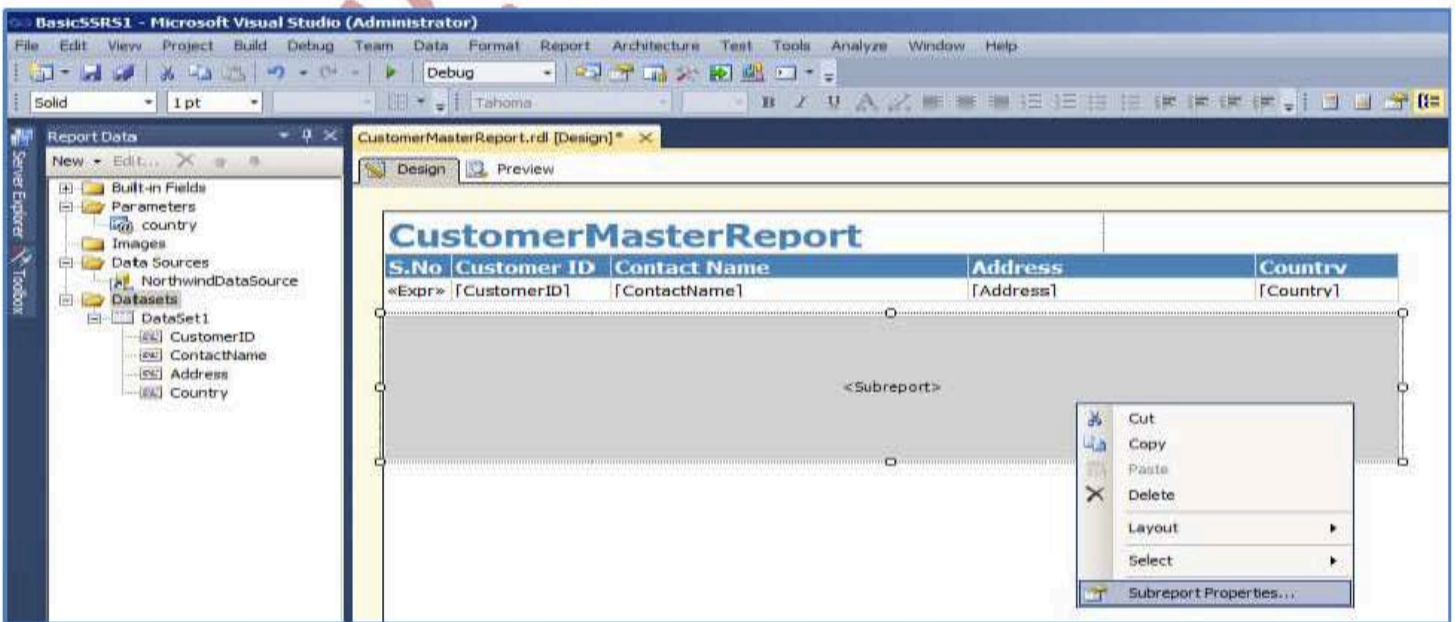
Step 3: Create a Order SubReport as it was already explained in Chapter-1 of SSRS Reporting with parameter Country as it was given in query.



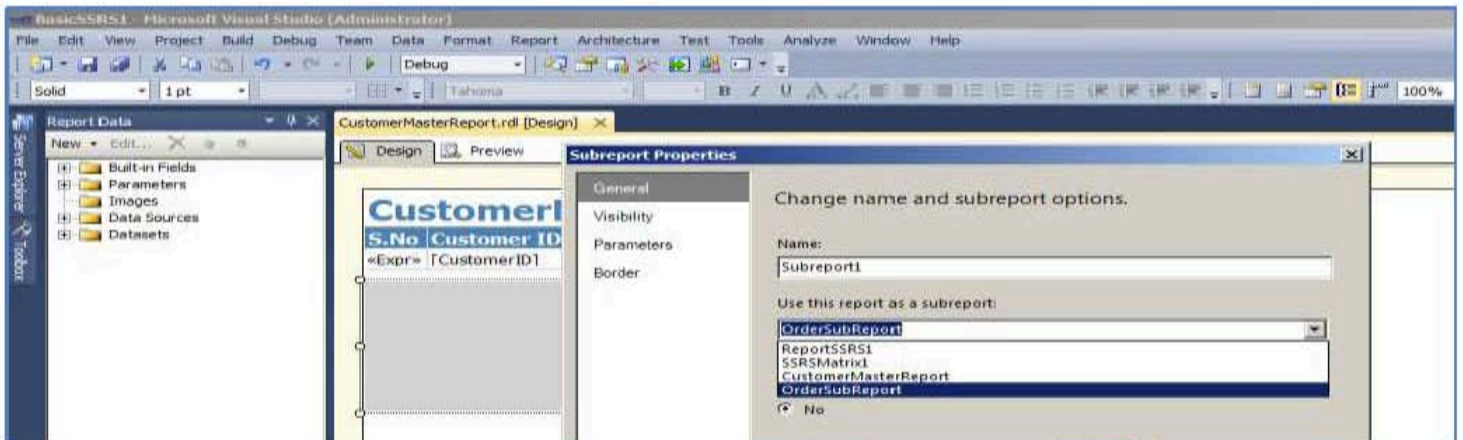
Step 4: Add a SubReport control in the master report as shown in the image.



Step 5: Right Click on the Subreport -> Subreport Properties

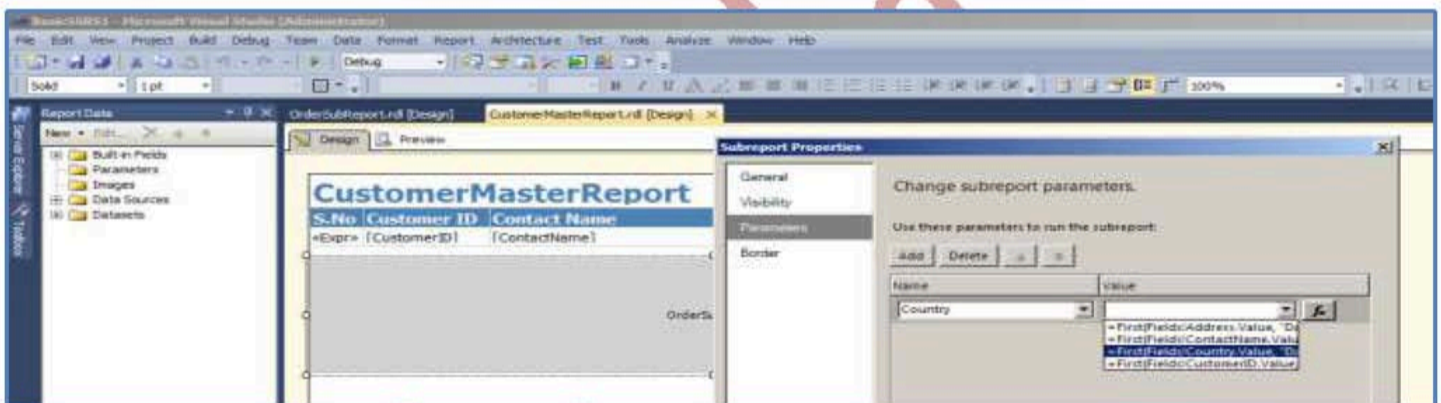


Step 6: From the General section of Subreport Properties window, select the subreport name as "OrderSubReport".



We have to add Parameters from Parameter tab. After clicking on the Add button, enter the parameter as CustomerID.

Step-7: Let us enter the Parameter name as "CountryName" and the value as "=First(Fields!ShipCountry.Value, "DataSet1")". click on OK button



Step 8: A Customer Master Report with Order sub report is generated successfully.

BasicSSRS1 - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Data Format Report Architecture Test Tools Analyze Window Help

Report Data OrderSubReport.rdl [Design] CustomerMasterReport.rdl [Design]

CustomerMasterReport

S.No	Customer ID	Contact Name	Address	Country
1	ALFKI	Maria Anders	Obere Str. 57	Germany
2	ANATR	Ana Trujillo	Avda. de la Constitución 2222	Mexico
3	ANTON	Antonio Moreno	Mataderos 2312	Mexico
4	AROUT	Thomas Hardy	120 Hanover Sq.	UK
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8	BOLID	Martin Sommer	C/ Araquil, 67	Spain
9	BONAP	Laurence Lebihan	12, rue des Bouchers	France
10	BOTTM	Elizabeth Lincoln	23 Tsawassen Blvd.	Canada
11	BSBEV	Victoria Ashworth	Fauntleroy Circus	UK
87	WARTH	Pirkko Koskitalo	Torikatu 38	Finland
88	WELLI	Paula Parente	Rua do Mercado, 12	Brazil
89	WHITC	Karl Jablonski	305 - 14th Ave. S. Suite 3B	USA
90	WILMK	Matti Karttunen	Keskuskatu 45	Finland
91	WOLZA	Zbyszek Piestrzeniewicz	ul. Filtrowa 68	Poland

OrderSubReport

Order ID	Order Date	Customer ID	Ship Name	Ship Country
10249	7/5/1996 12:00:00 AM	TOMSP	Toms Spezialitäten	Germany
10260	7/19/1996 12:00:00 AM	OTTIK	Ottilies Käseladen	Germany
10267	7/29/1996 12:00:00 AM	FRANK	Frankenversand	Germany
10273	8/5/1996 12:00:00 AM	QUICK	QUICK-Stop	Germany
10277	8/9/1996 12:00:00 AM	MORCK	Mercantoren Casuolact	Germany