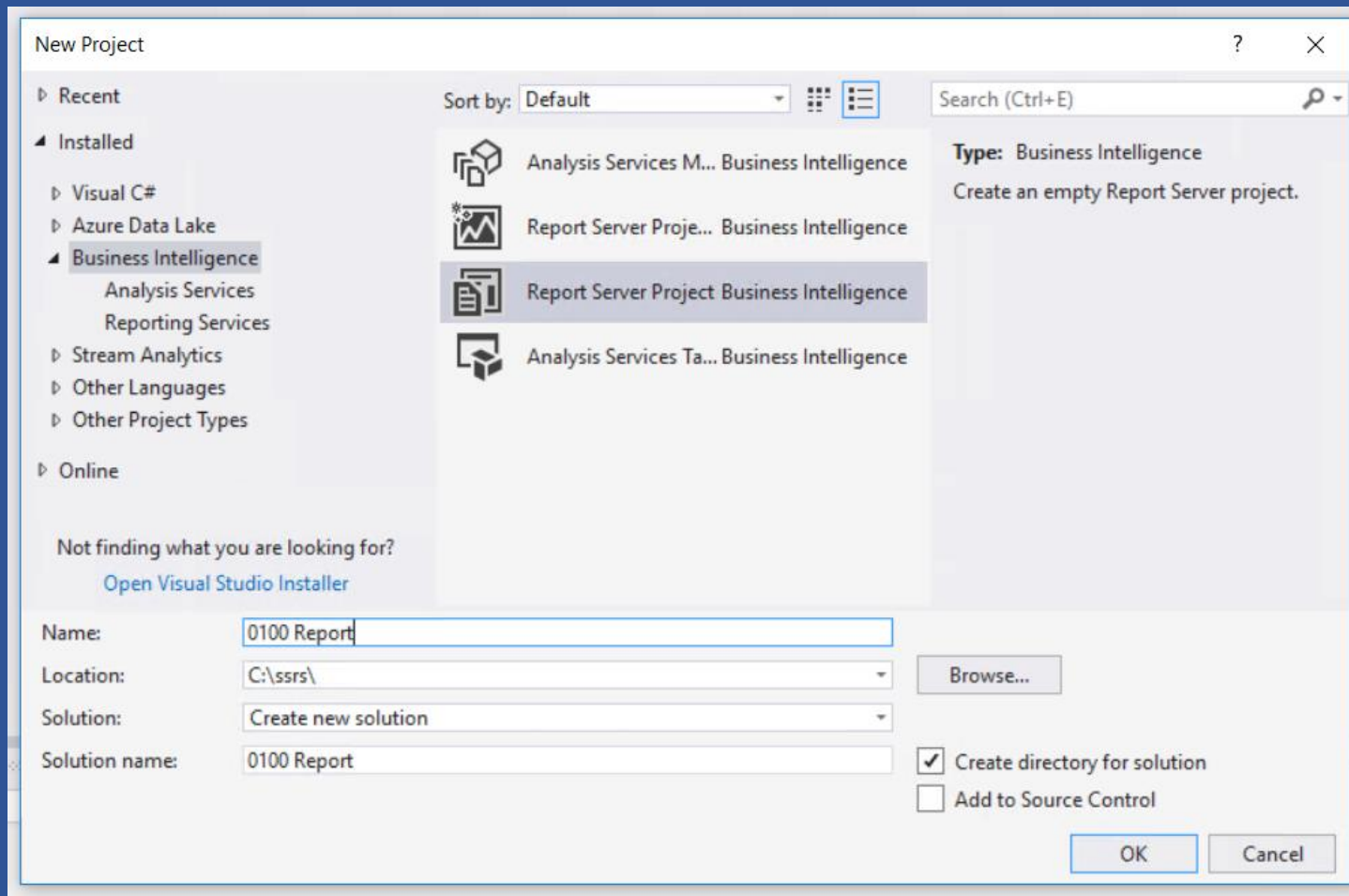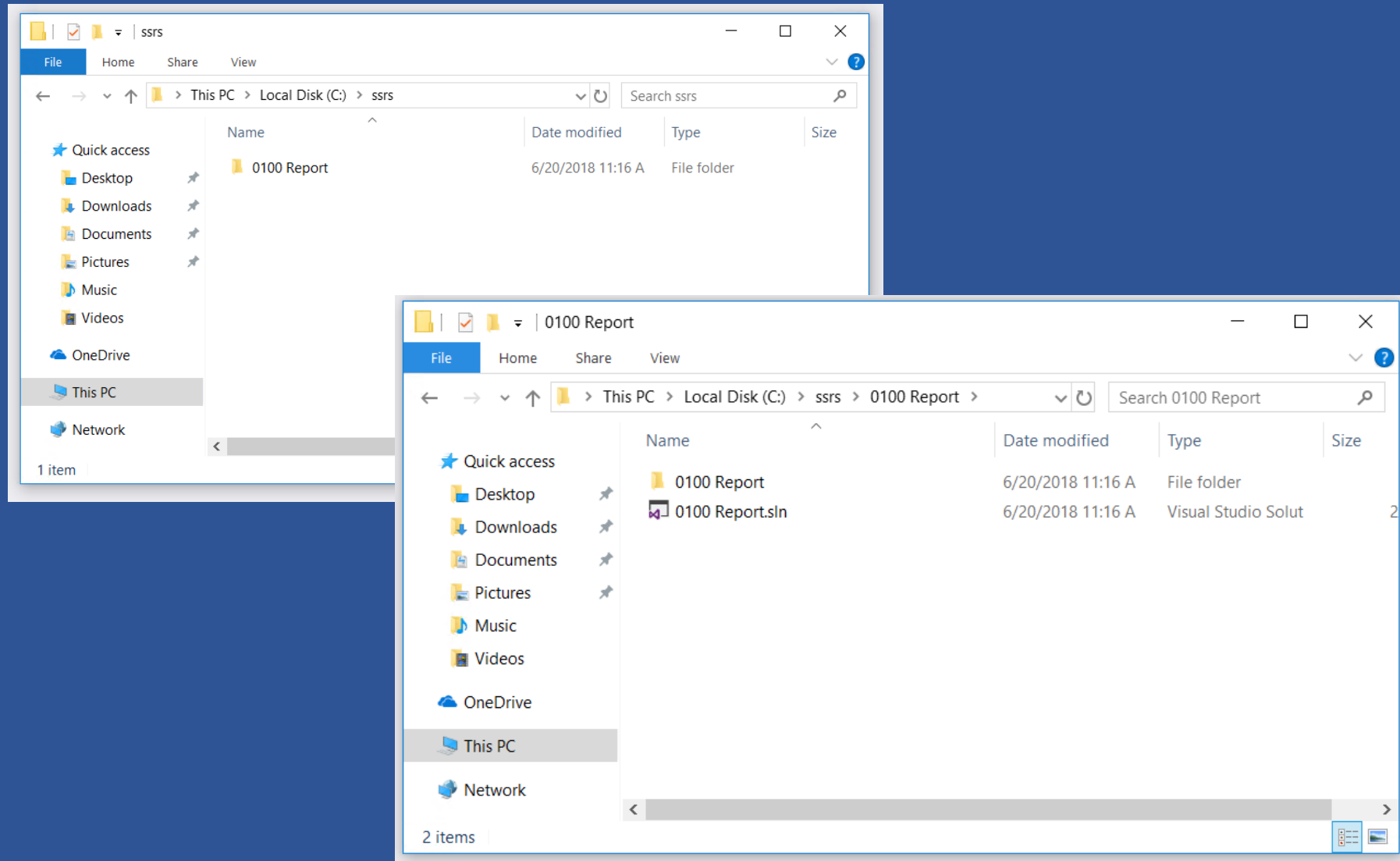# Creating a Report Server Project
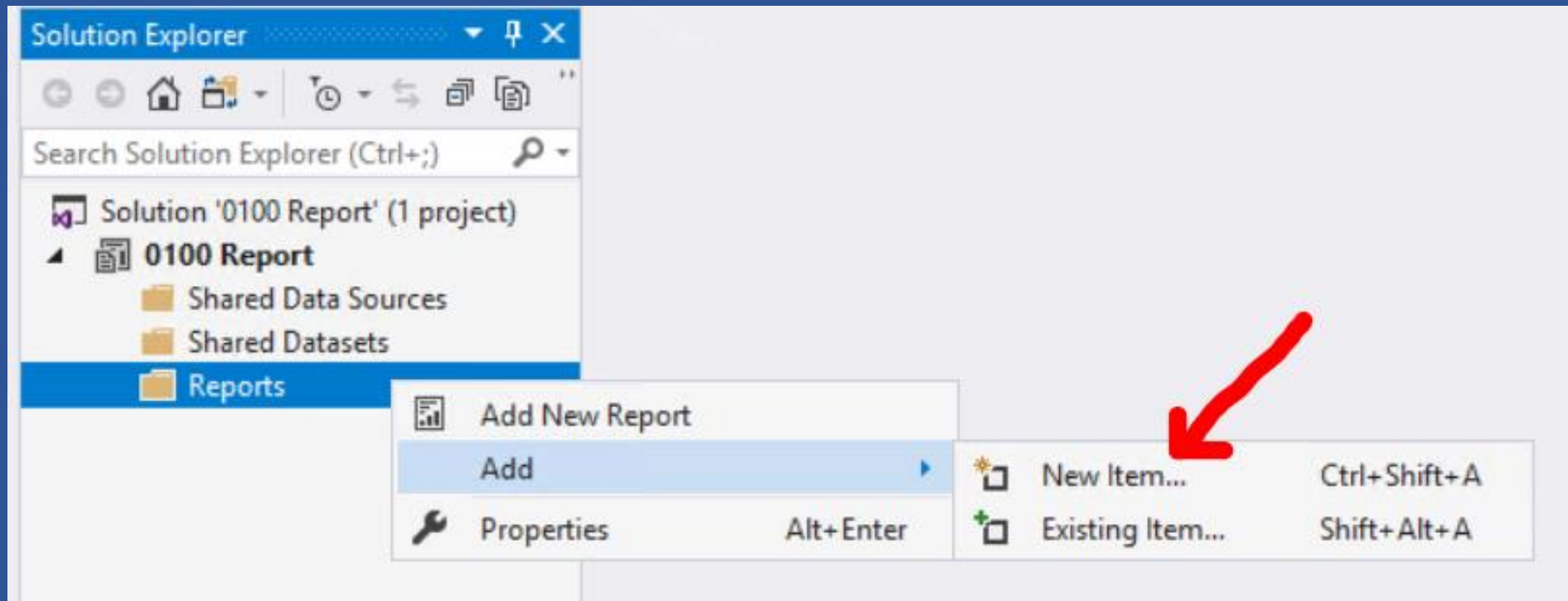
Open MSVS / New / Project
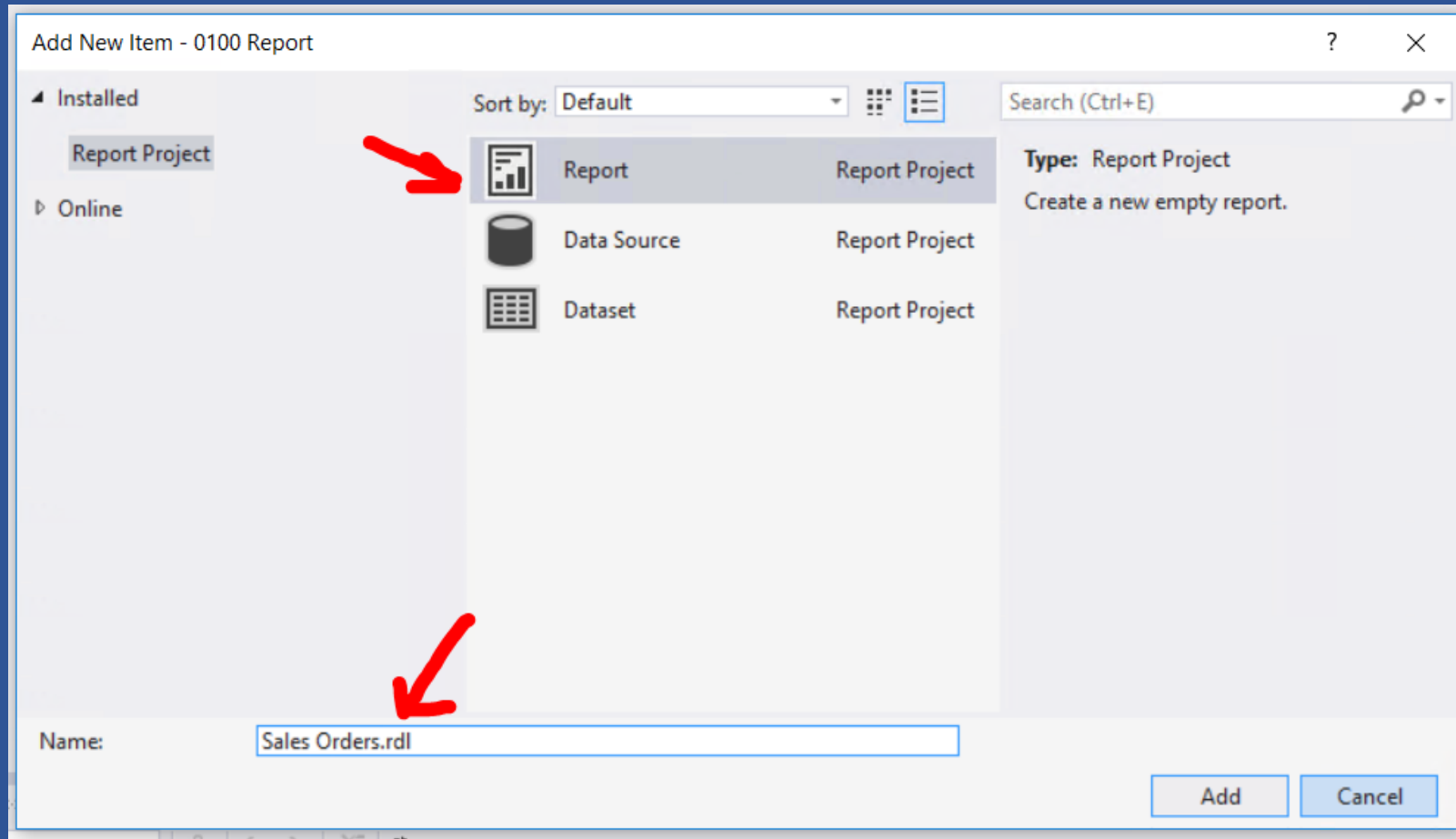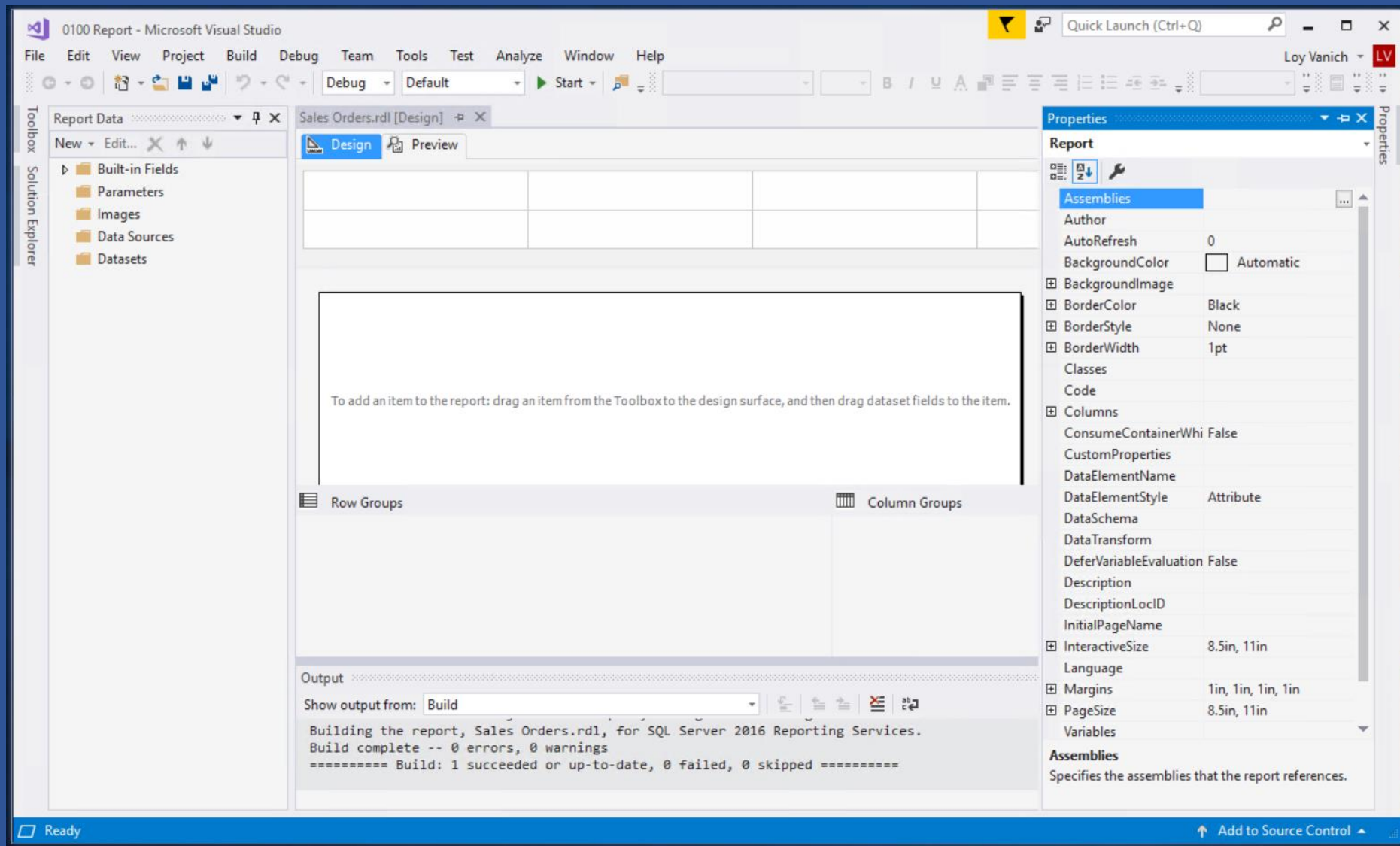
Use Windows Explorer to see project's folder

Right click at Report Icon in Solution Explorer / Add / New Item…

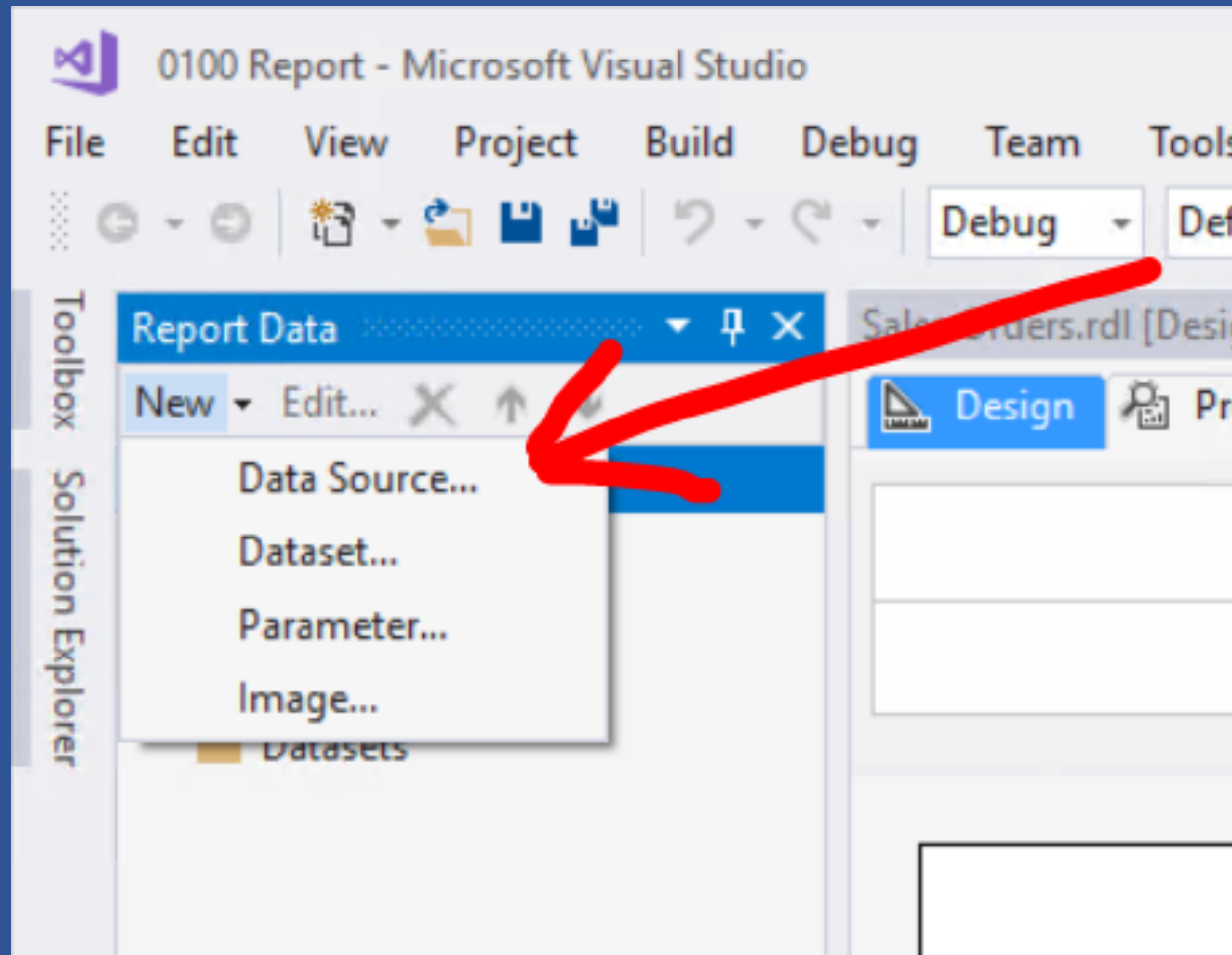Click Report / Name = Sales Orders.rdl / Add

Look at Report Data / Design & Preview / Properties

Specifying Connection Information

Report Data / New / Data Source

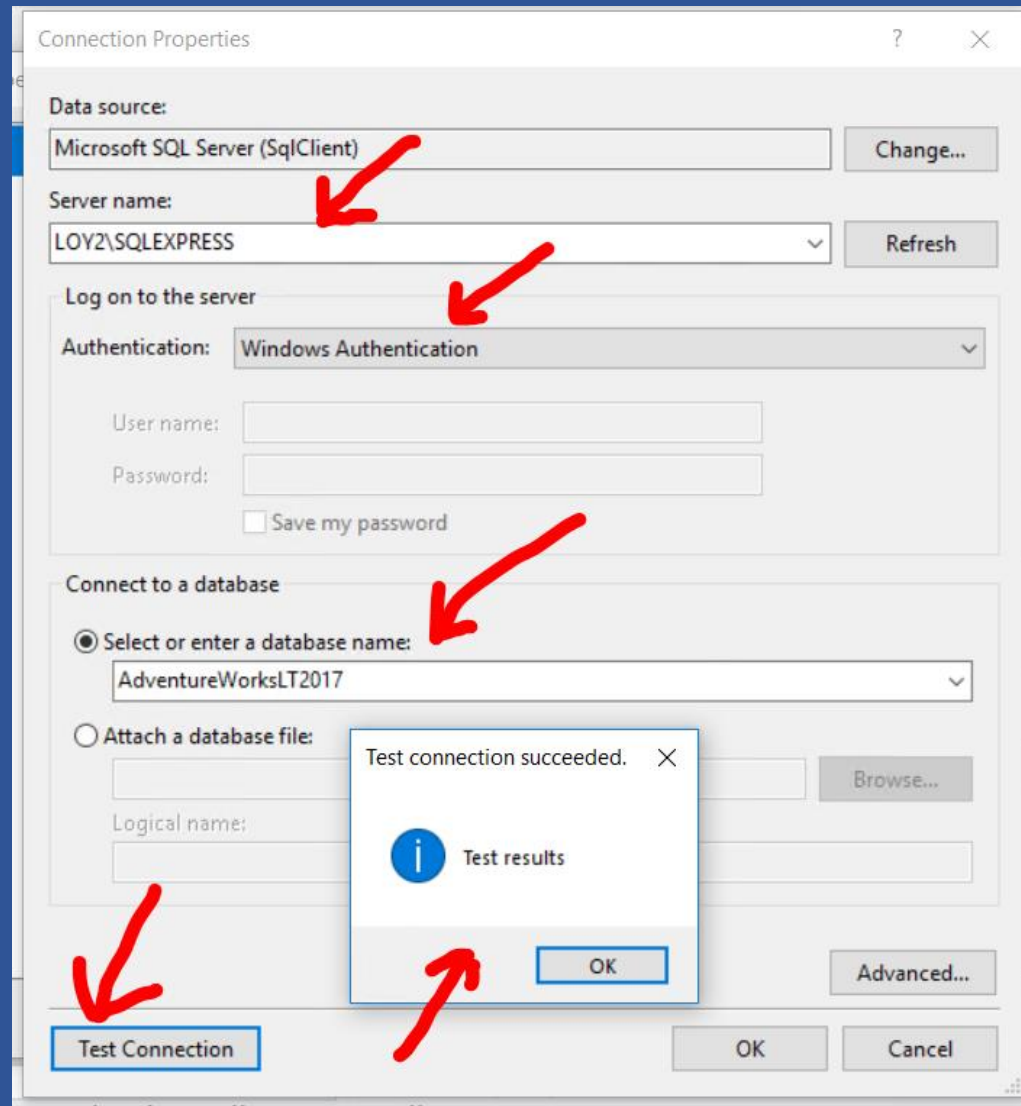General / Name = AdventureWork2017LT / Embedded / Type = Microsoft SQL / press Edit…

GreatFriends.Biz

Server name / Authentication / Select database / Test Connection / OK / OK

Look at Report data / Data Sources. Make sure u have AdventureWork2017LT
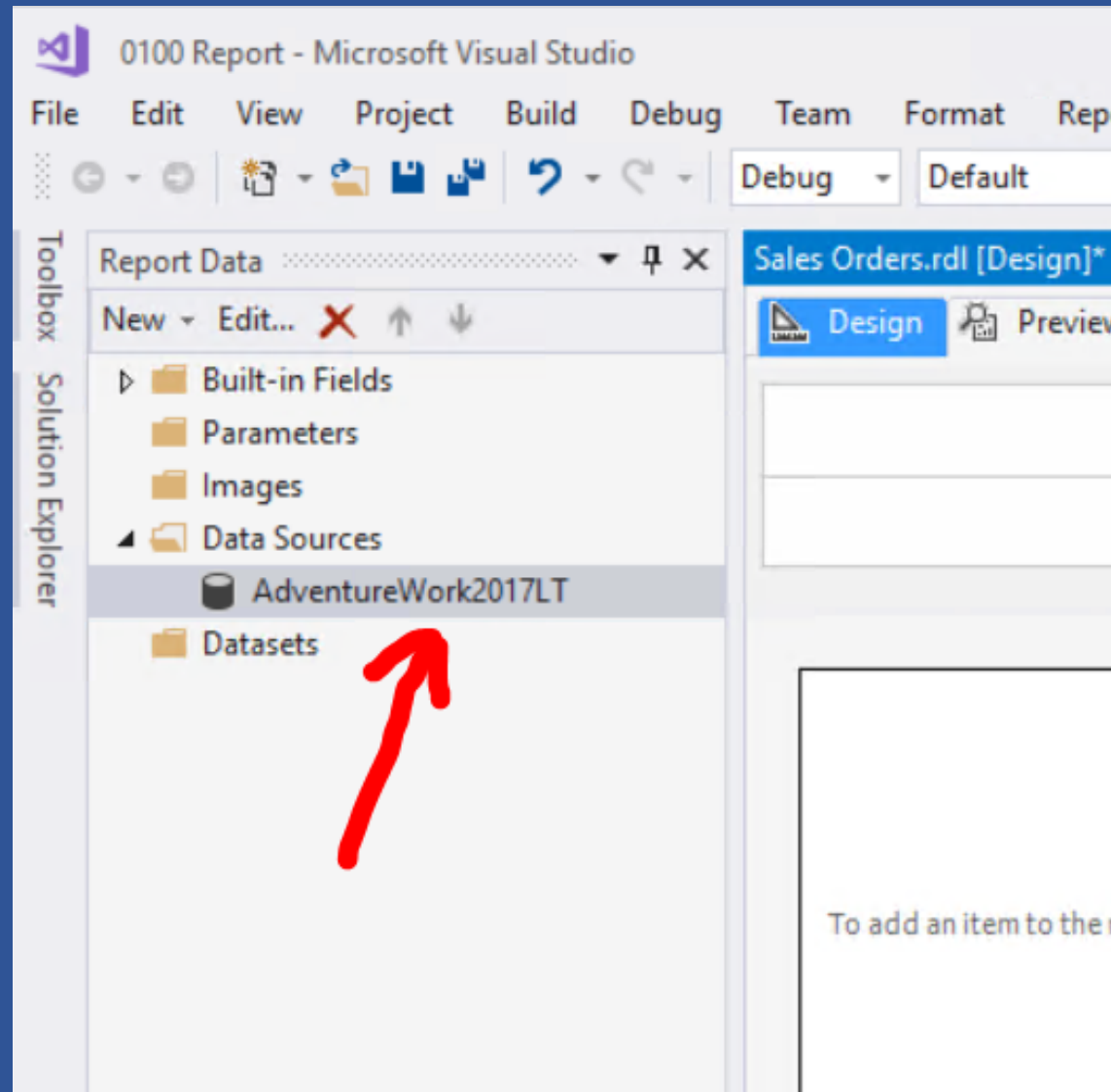
Defining a Dataset for the Table Report

Click Table icon in Toolbox / Click Design surface and drag to draw a table

GreatFriends.Biz

Dataset Properties / User a dataset embedded / Data Source / Query Designer...
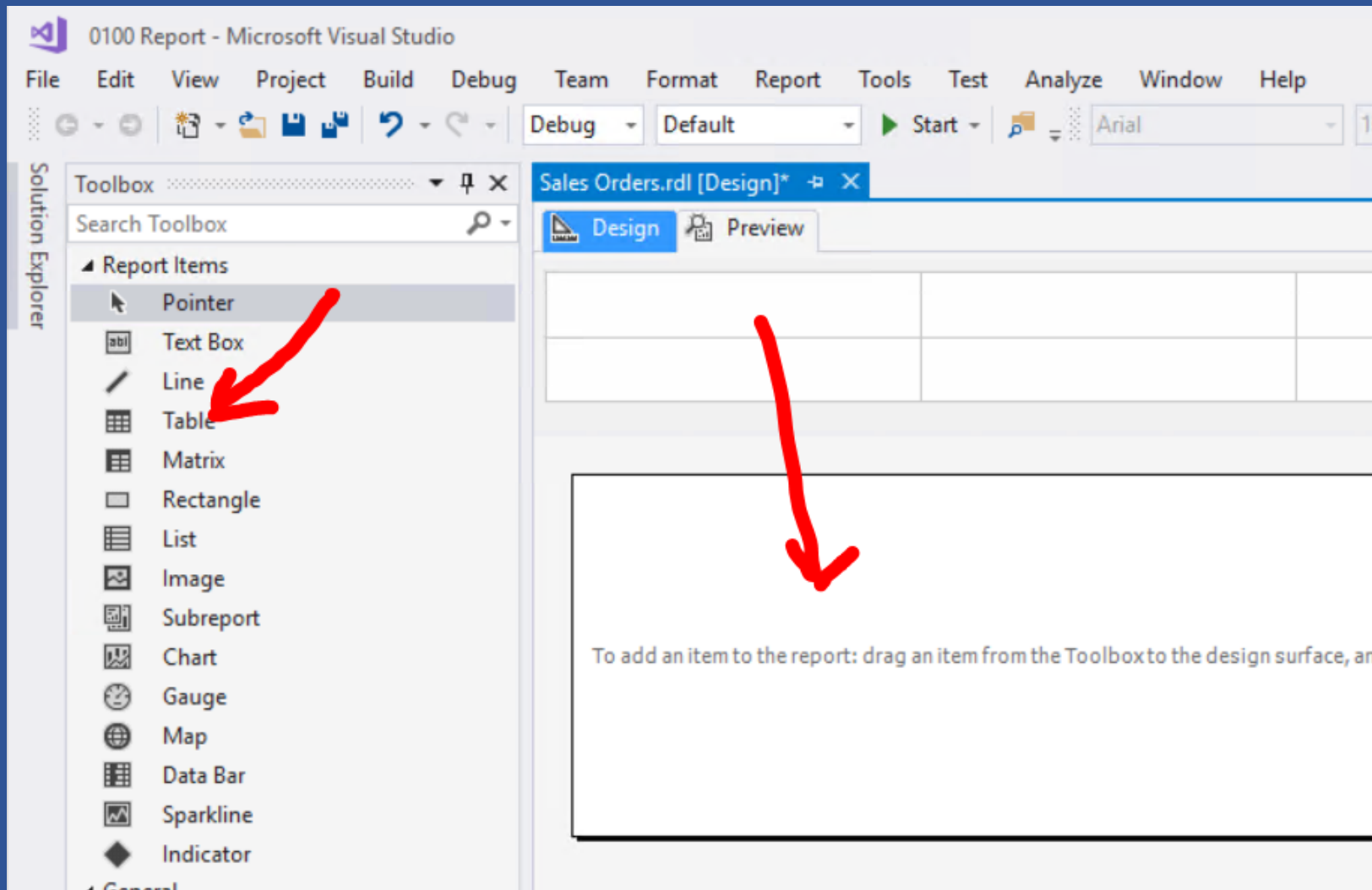
We want to make this query using query Designer

```
 1  -- Microsoft SQL Server Reporting Services Class
 2  -- Loy Vanich (Laploy@gmail.com)
 3  -- 0100 Crate first report
 4  SELECT
 5      SalesLT.Product.ProductID,
 6      SalesLT.Product.Name,
 7      SalesLT.ProductCategory.Name AS Category,
 8      SalesLT.Product.Color,
 9      SalesLT.Product.ListPrice
10  FROM SalesLT.Product
11      INNER JOIN SalesLT.ProductCategory
12          ON SalesLT.Product.ProductCategoryID = SalesLT.ProductCategory.
            ProductCategoryID
```

Write and test query in SSMS

```sql
1  -- Microsoft SQL Server Reporting Services Class
2  -- Loy Vanich (laploy@gmail.com)
3  -- 0100 Crate first report
4  SELECT
5      SalesLT.Product.ProductID,
6      SalesLT.Product.Name,
7      SalesLT.ProductCategory.Name AS Category,
8      SalesLT.Product.Color,
9      SalesLT.Product.ListPrice
10 FROM SalesLT.Product
11     INNER JOIN SalesLT.ProductCategory
12         ON SalesLT.Product.ProductCategoryID =
13             SalesLT.ProductCategory.ProductCategoryID
14
```

133 %

Results | Messages

	ProductID	Name	Category	Color	ListPrice
1	771	Mountain-100 Silver, 38	Mountain Bikes	Silver	3399.99
2	772	Mountain-100 Silver, 42	Mountain Bikes	Silver	3399.99
3	773	Mountain-100 Silver, 44	Mountain Bikes	Silver	3399.99
4	774	Mountain-100 Silver, 48	Mountain Bikes	Silver	3399.99
5	775	Mountain-100 Black, 38	Mountain Bikes	Black	3374.99
6	776	Mountain-100 Black, 42	Mountain Bikes	Black	3374.99

Click icon "add table" / add Product , ProductCategory
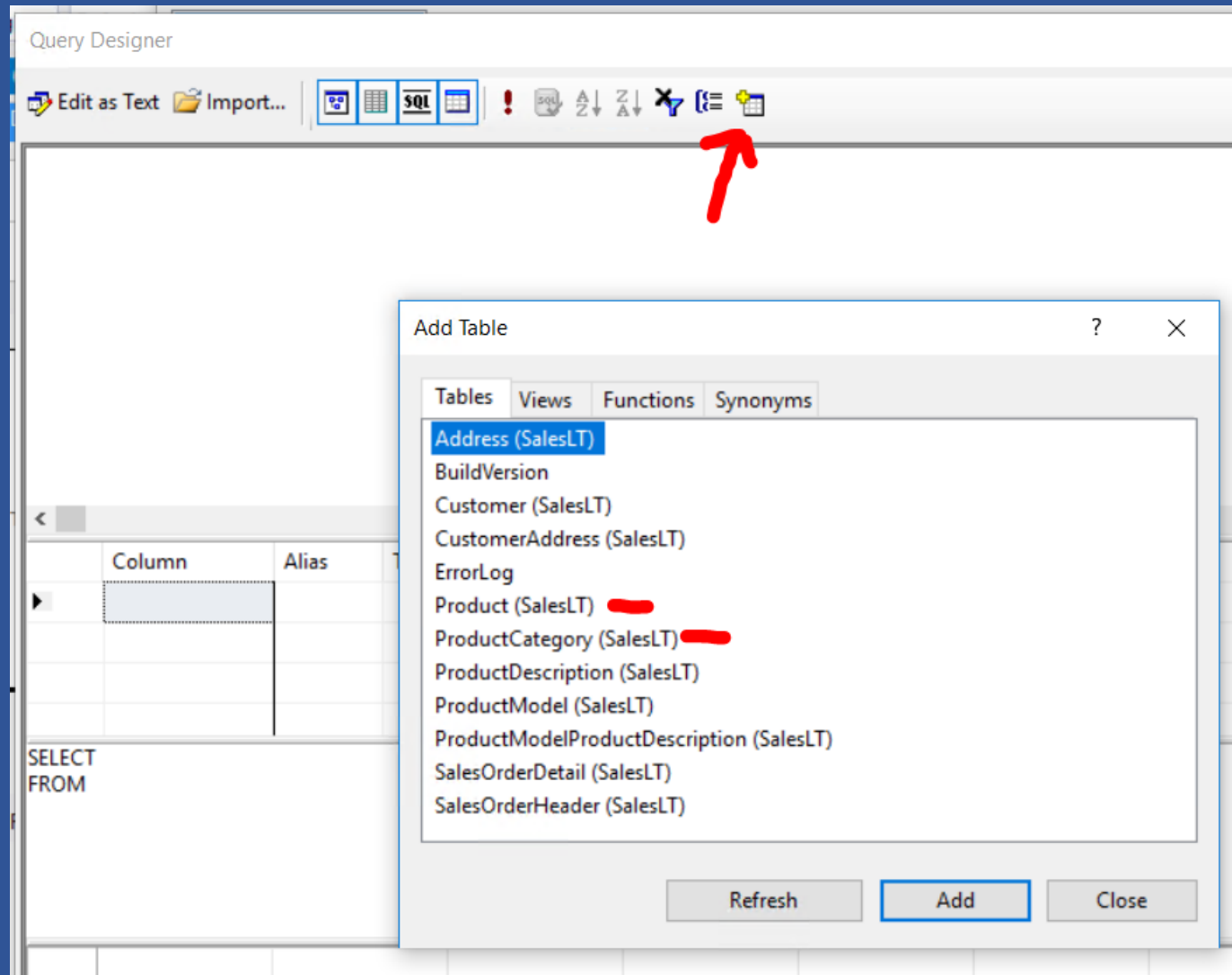
Select column ProductID, Name, Color, ListPrice table from product
Select column Name from table ProductCategory

Click OK and you will have Query like so
https://github.com/laploy/SSMS2017/blob/master/0100%20Create%20first%20report.sql

Query:

```
SELECT     SalesLT.Product.ProductID, SalesLT.Product.Name,
SalesLT.ProductCategory.Name AS Category, SalesLT.Product.Color,
SalesLT.Product.ListPrice
FROM       SalesLT.Product INNER JOIN
           SalesLT.ProductCategory ON SalesLT.Product.ProductCategoryID =
SalesLT.ProductCategory.ProductCategoryID
```
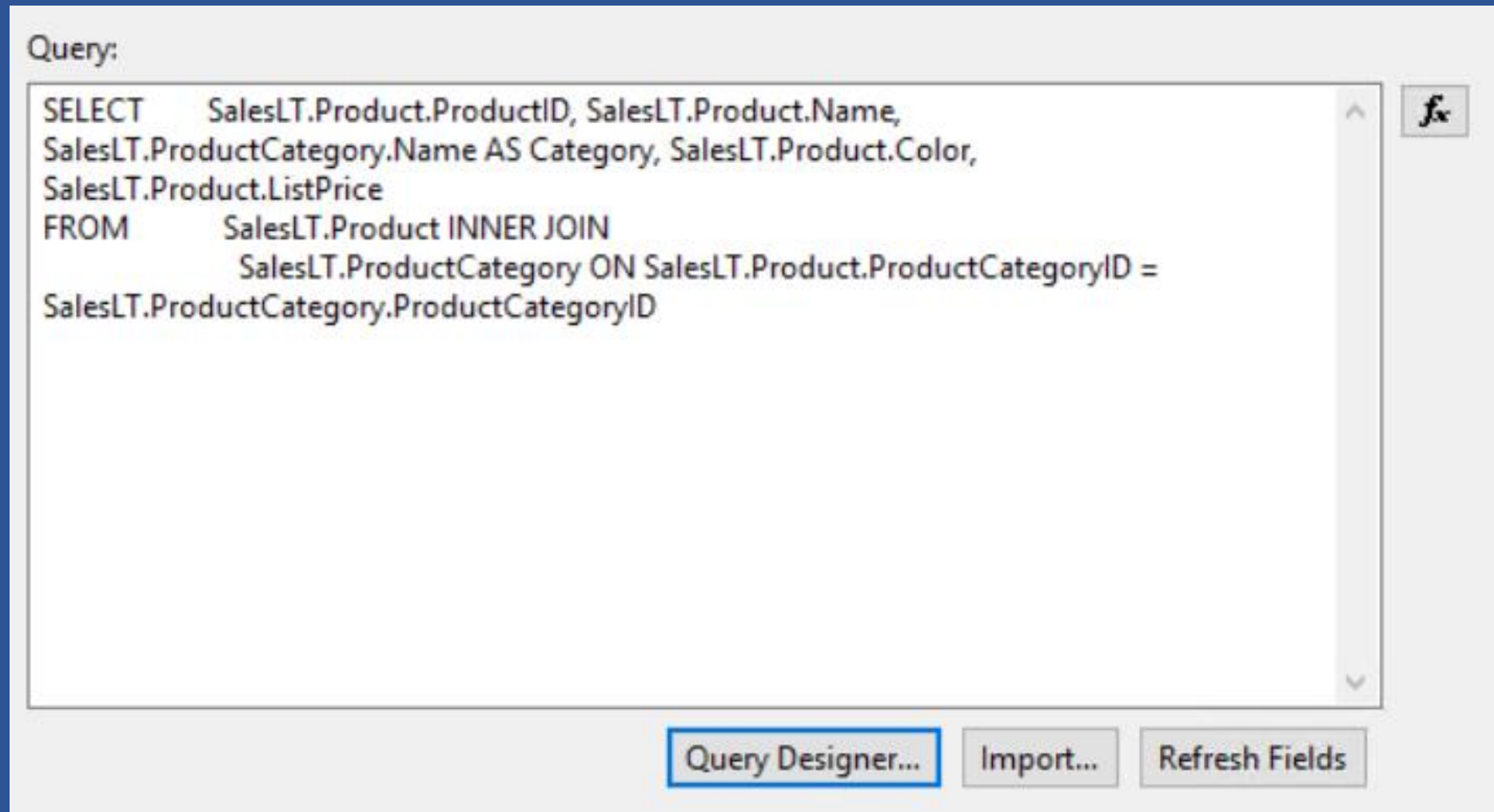
Query Designer...   Import...   Refresh Fields

Click View / Report Data

Look in Datasets, you should see "DataSet1" with all selected column
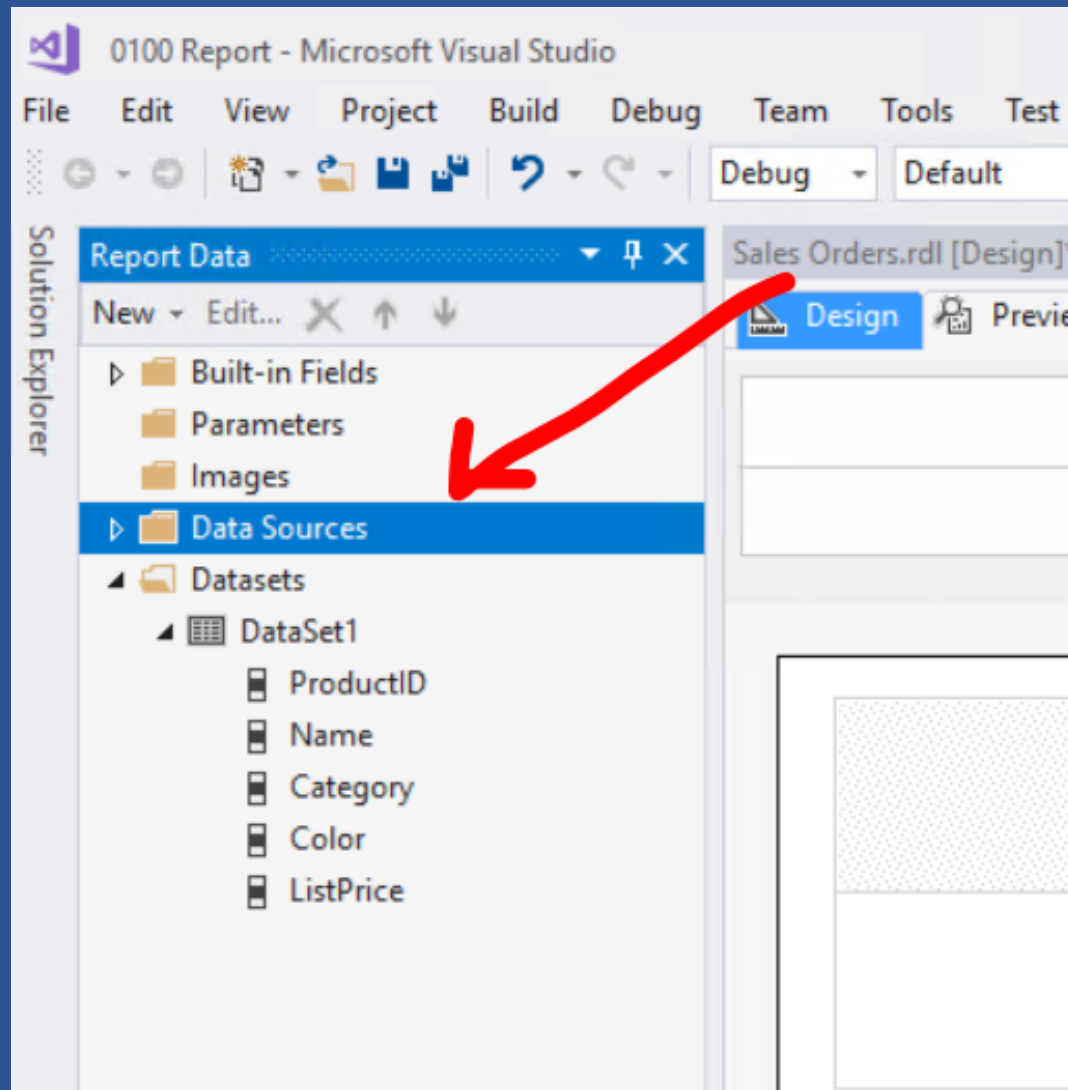
Adding a Table to the Report

Report designer

GreatFriends.Biz

Drag column ProductID and drop into Design
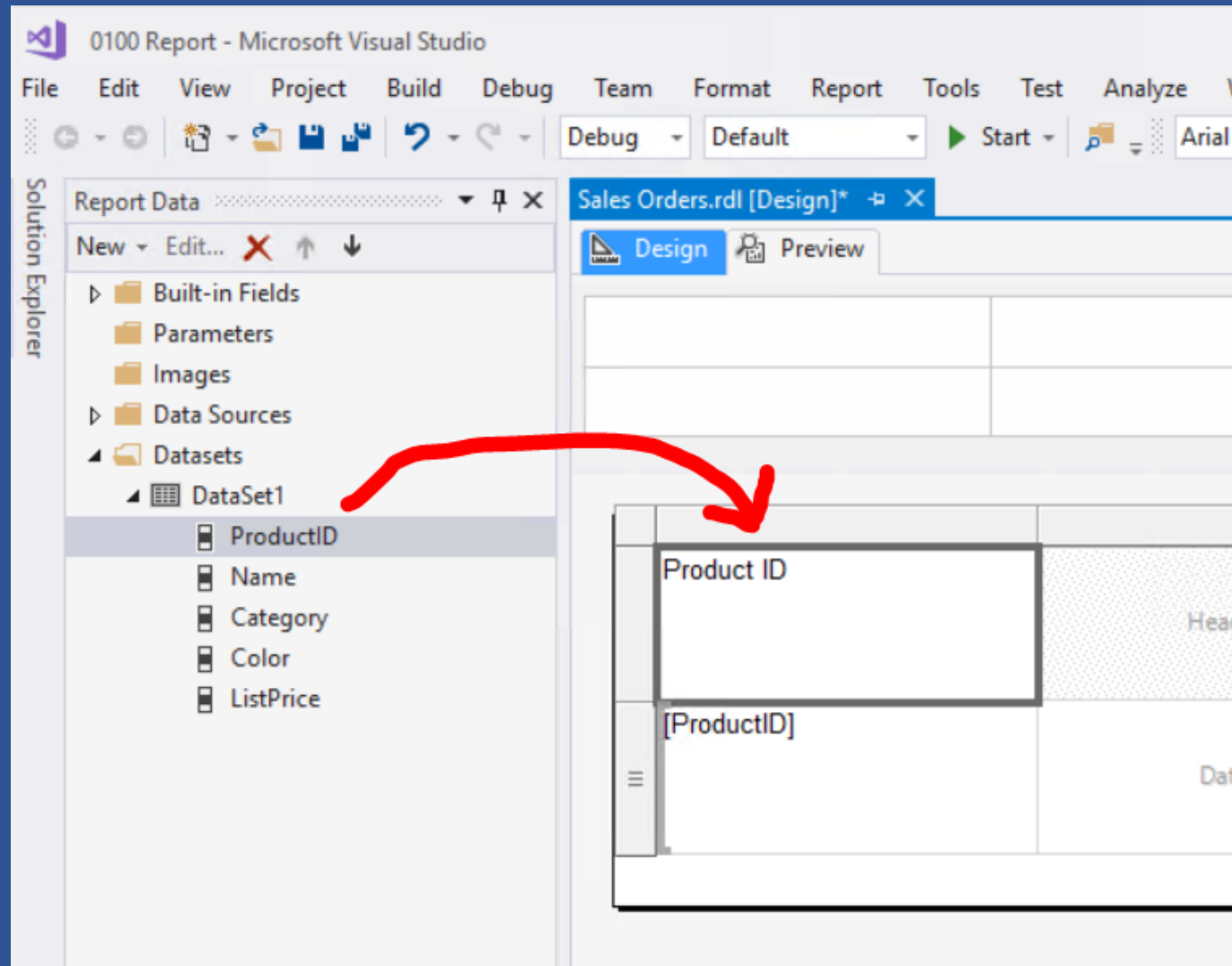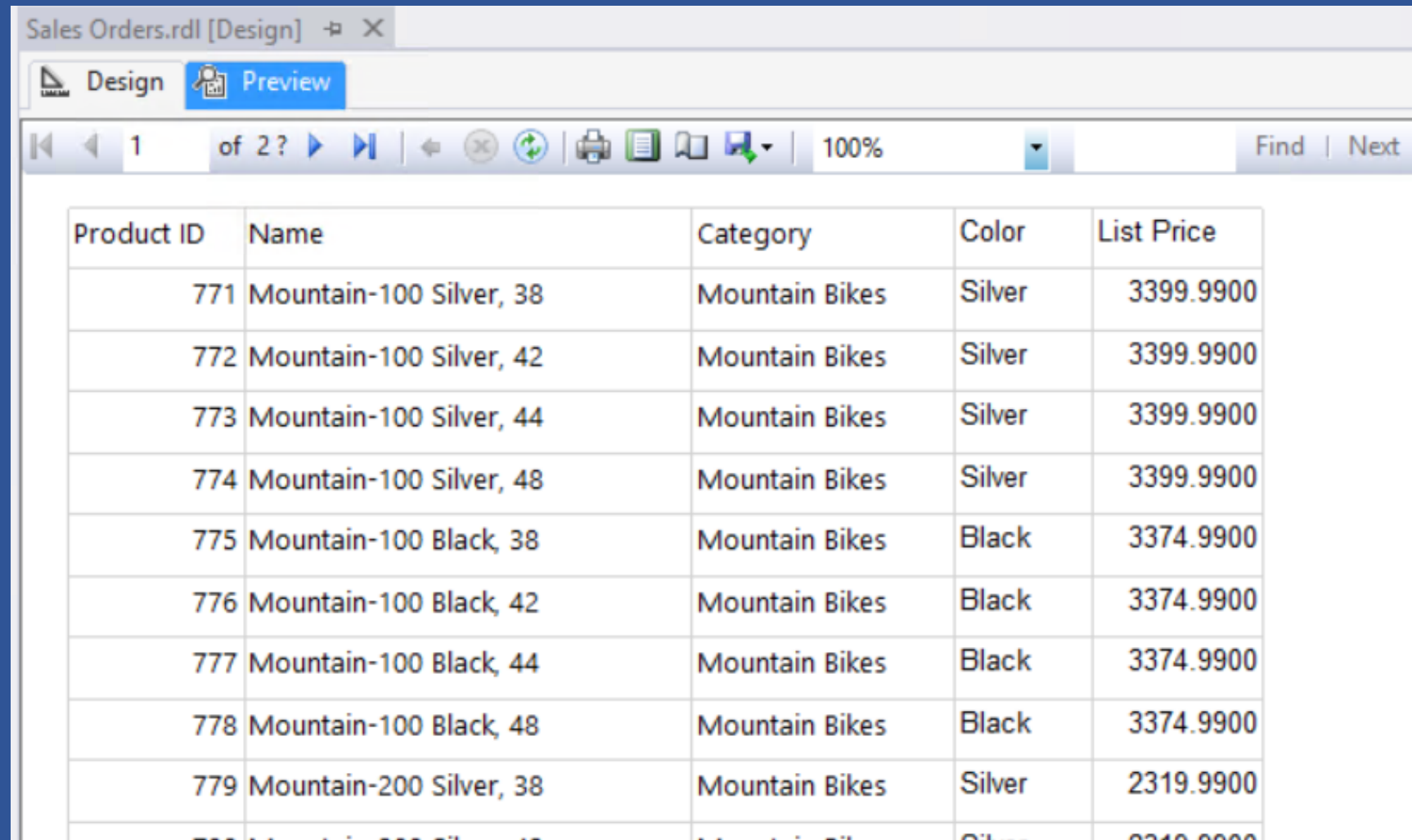
- Add all column to the design
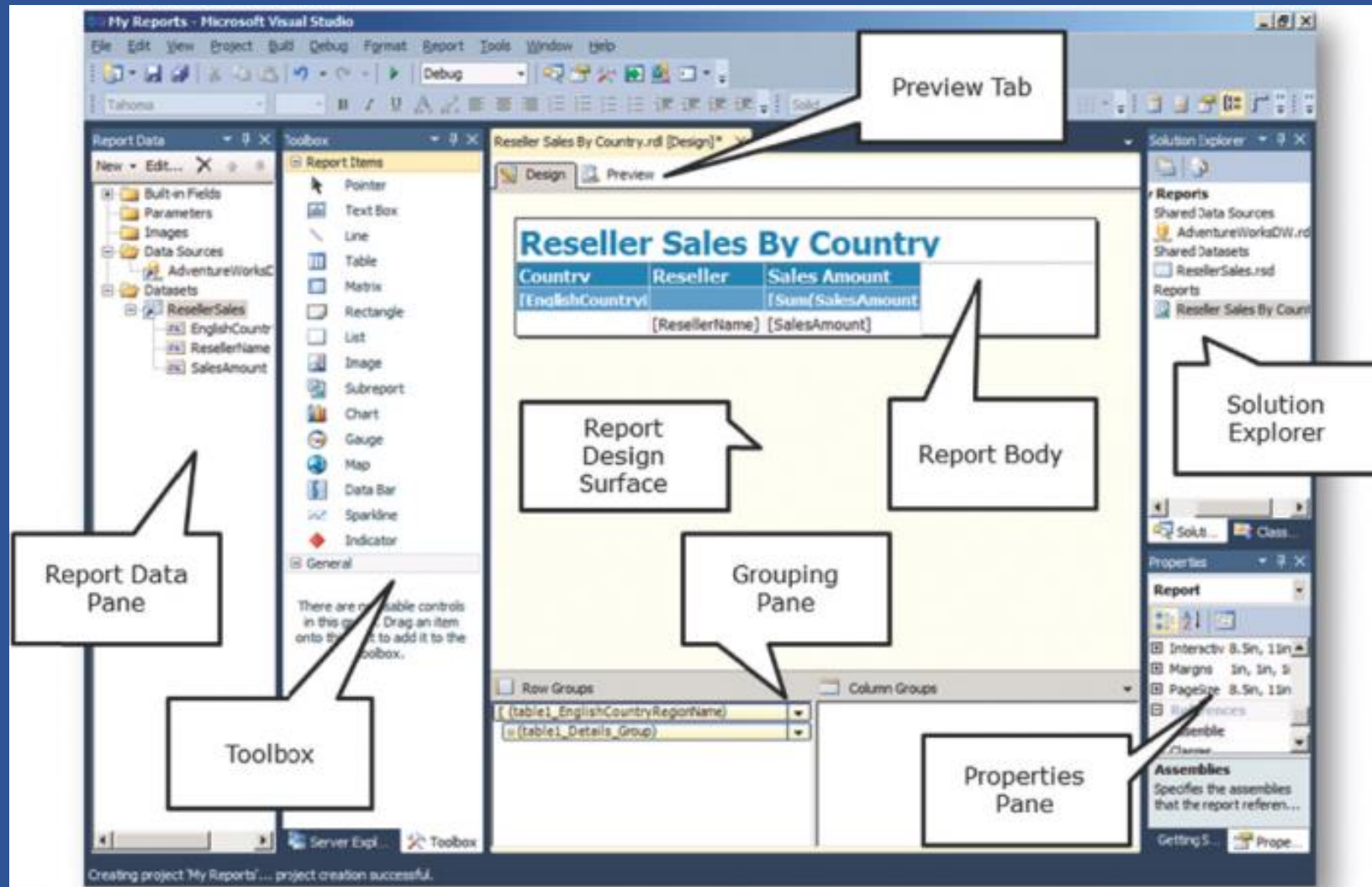- Adjust height
- Adjust width

Product ID	Name	Category	Color	List Price
[ProductID]	[Name]	[Category]	[Color]	[ListPrice]

Save and preview

- Insert "Report Name"
- Change header background color property
- Increase header font size
- Set header font bold

Session 0100 Excecise

- Create New Project Name = Execies1
- Create new Report name = Employee
- Add DataSource
- Add Dataset using this query

SELECT FirstName, LastName, JobTitle,
PhoneNumber, PhoneNumberType, AddressLine1, City
FROM AdventureWorks2017.HumanResources.vEmployee

- Create report like so

Employee Report

First Name	Last Name	Job Title	Phone	Address Line1	City
Ben	Miller	Buyer	151-555-0113	101 Candy Rd.	Redmond
Garrett	Vargas	Sales Representative	922-555-0165	10203 Acorn Avenue	Calgary
Gabe	Mares	Production Technician - WC40	310-555-0117	1061 Buskrik Avenue	Edmonds
Reuben	D'sa	Production Supervisor - WC40	191-555-0112	1064 Slow Creek Road	Seattle
Gordon	Hee	Buyer	230-555-0144	108 Lakeside Court	Bellevue
Karan	Khanna	Production Technician - WC60	447-555-0186	1102 Ravenwood	Seattle
François	Ajenstat	Database Administrator	785-555-0110	1144 Paradise Ct.	Issaquah
Sariya	Harnpadoungsataya	Marketing Specialist	399-555-0176	1185 Dallas Drive	Everett
Kirk	Koenigsbauer	Production Technician - WC45	669-555-0150	1220 Bradford Way	Seattle
Kim	Ralls	Stocker	309-555-0129	1226 Shoe St.	Bothell
Michael	Raheem	Research and Development Manager	330-555-2568	1234 Seaside Way	San Francisco