


Formatting a Report

Download and install AdventureWorks (OLTP) full database backups

<https://github.com/Microsoft/sql-server-samples/releases/tag/adventureworks>

AdventureWorks (OLTP) full database backups

[AdventureWorks2017.bak](#) 

[AdventureWorks2016.bak](#)

[AdventureWorks2016_EXT.bak](#)

Download size is 883 MB. This is an extended version of AdventureWorks, designed to showcase SQL Server 2016 features. To see the features in action, run the [SQL Server 2016 sample scripts](#) on this database.

Query for this session : Order Line Total

```
1  -- Microsoft SQL Server Reporting Services class 2018
2  -- Loy Vanich (laploy@gmail.com)
3  -- 0110 Formatting a Report
4  SELECT
5      soh.OrderDate AS [Date],
6      soh.SalesOrderNumber AS [Order],
7      pps.Name AS Subcat, pp.Name as Product,
8      SUM(sd.OrderQty) AS Qty,
9      SUM(sd.LineTotal) AS LineTotal
10 FROM Sales.SalesPerson sp
11     INNER JOIN Sales.SalesOrderHeader AS soh
12         ON sp.BusinessEntityID = soh.SalesPersonID
13     INNER JOIN Sales.SalesOrderDetail AS sd
14         ON sd.SalesOrderID = soh.SalesOrderID
15     INNER JOIN Production.Product AS pp
16         ON sd.ProductID = pp.ProductID
17     INNER JOIN Production.ProductSubcategory AS pps
18         ON pp.ProductSubcategoryID = pps.ProductSubcategoryID
19     INNER JOIN Production.ProductCategory AS ppc
20         ON ppc.ProductCategoryID = pps.ProductCategoryID
21     GROUP BY ppc.Name, soh.OrderDate, soh.SalesOrderNumber, pps.Name, pp.Name,
22             soh.SalesPersonID
23     HAVING ppc.Name = 'Clothing'
```

Write and test the query in SSMS

```

1 -- Microsoft SQL Server Reporting Services class 2018
2 -- Loy Vanich (laploy@gmail.com)
3 -- 0110 Formatting a Report
4 SELECT
5     soh.OrderDate AS [Date],
6     soh.SalesOrderNumber AS [Order],
7     pps.Name AS Subcat, pp.Name as Product,
8     SUM(sd.OrderQty) AS Qty,
9     SUM(sd.LineTotal) AS LineTotal
10 FROM Sales.SalesPerson sp
11     INNER JOIN Sales.SalesOrderHeader AS soh
12         ON sp.BusinessEntityID = soh.SalesPersonID
13     INNER JOIN Sales.SalesOrderDetail AS sd
14         ON sd.SalesOrderID = soh.SalesOrderID
15     INNER JOIN Production.Product AS pp
16         ON sd.ProductID = pp.ProductID
17     INNER JOIN Production.ProductSubcategory AS pps
18         ON pp.ProductSubcategoryID = pps.ProductSubcategoryID
19     INNER JOIN Production.ProductCategory AS ppc
20         ON ppc.ProductCategoryID = pps.ProductCategoryID
21 GROUP BY ppc.Name, soh.OrderDate, soh.SalesOrderNumber, pps.Name, pp.Name,
22     soh.SalesPersonID
23 HAVING ppc.Name = 'Clothing'

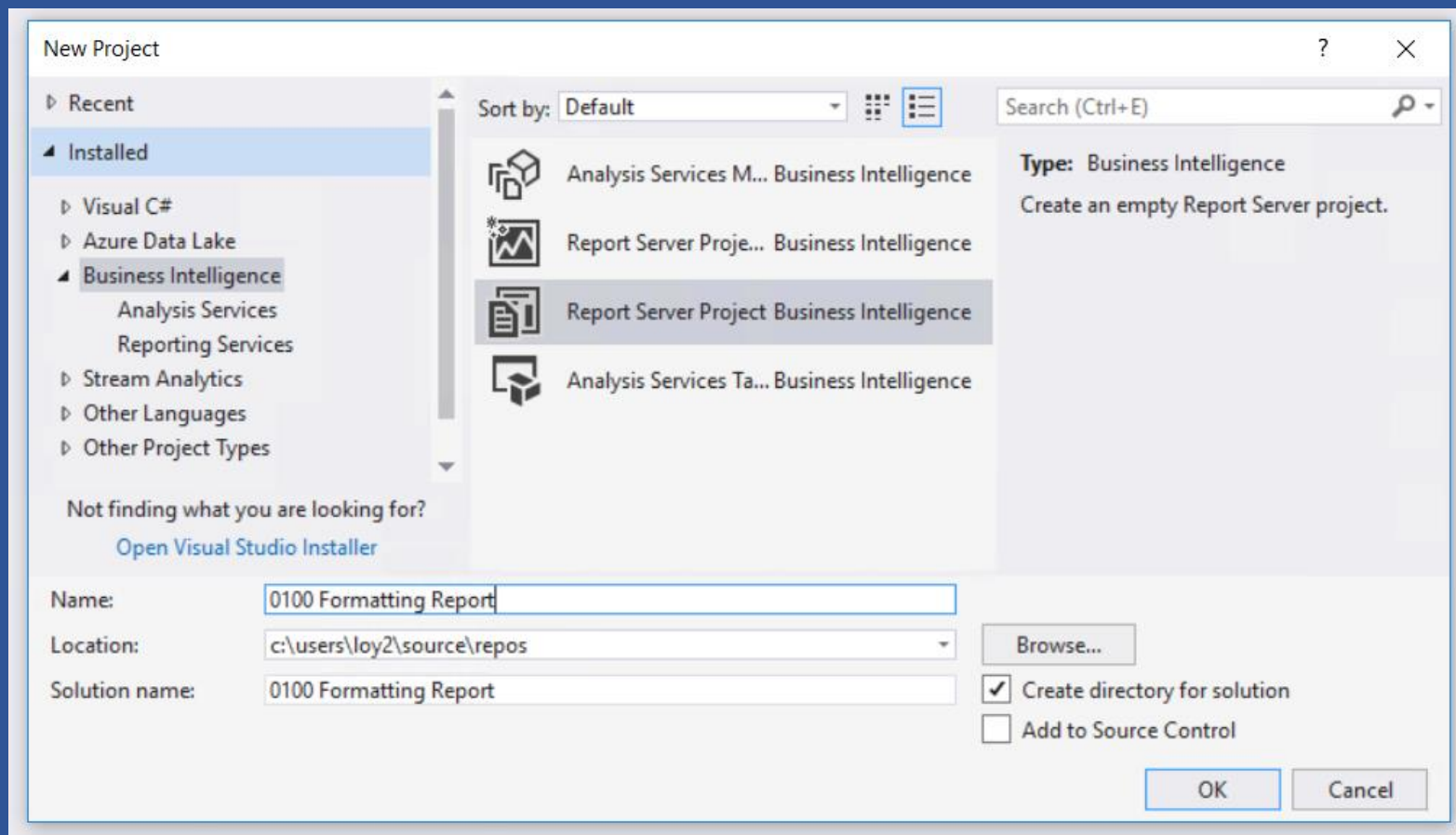
```

121 %

Results Messages

	Date	Order	Subcat	Product	Qty	LineTotal
1	2011-05-31 00:00:00.000	SO43659	Caps	AWC Logo Cap	2	10.373000
2	2011-05-31 00:00:00.000	SO43659	Jerseys	Long-Sleeve Logo Jersey, M	3	86.521200
3	2011-05-31 00:00:00.000	SO43659	Jerseys	Long-Sleeve Logo Jersey, XL	1	28.840400
4	2011-05-31 00:00:00.000	SO43659	Socks	Mountain Bike Socks, M	6	34.200000

- Create a new Report Server Project **0100 Formatting Report**
- Create a new Report **Format.rdl**
- Specifying Connection Information (Create a new data source)
- Defining a Dataset for the Table Report using the query



- Adding a Table to the Report

	Date	Order	Product	Qty	Line Total
≡	[Date]	[Order]	[Product]	[Qty]	[LineTotal]

- Preview

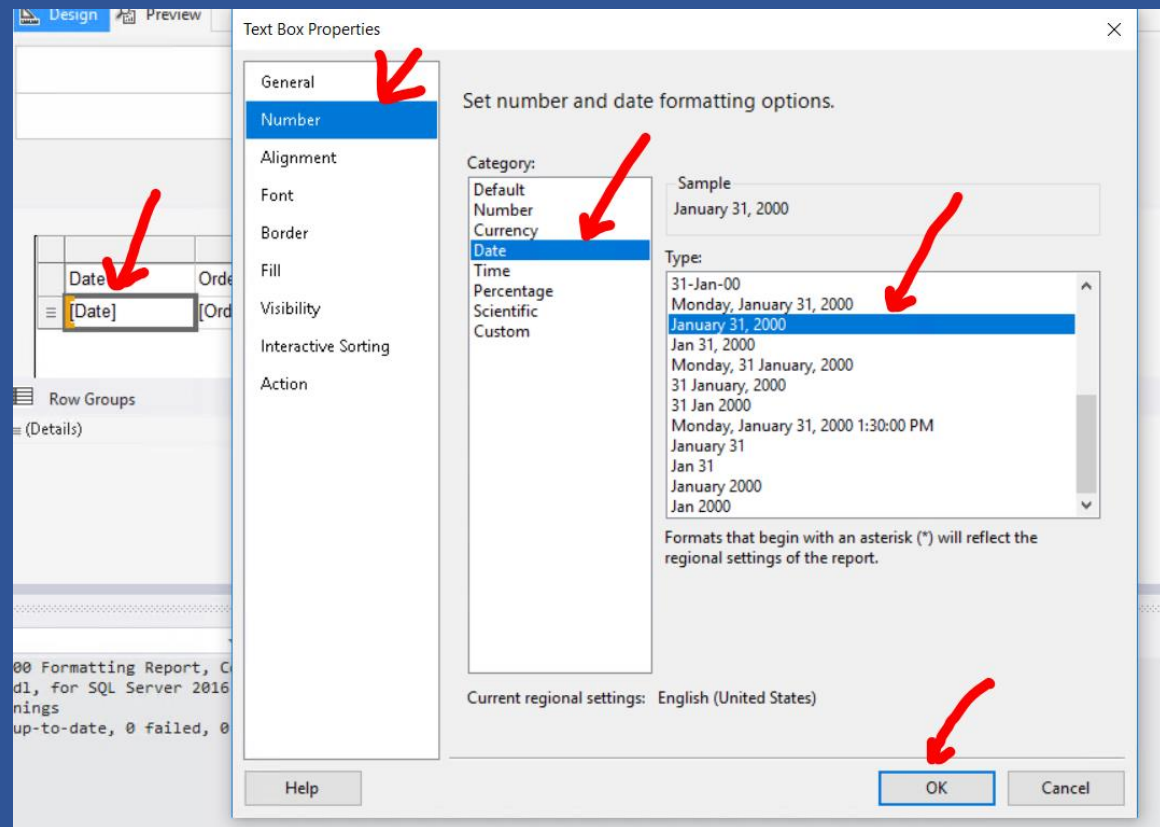
Design Preview

1 of 2 ? 100%

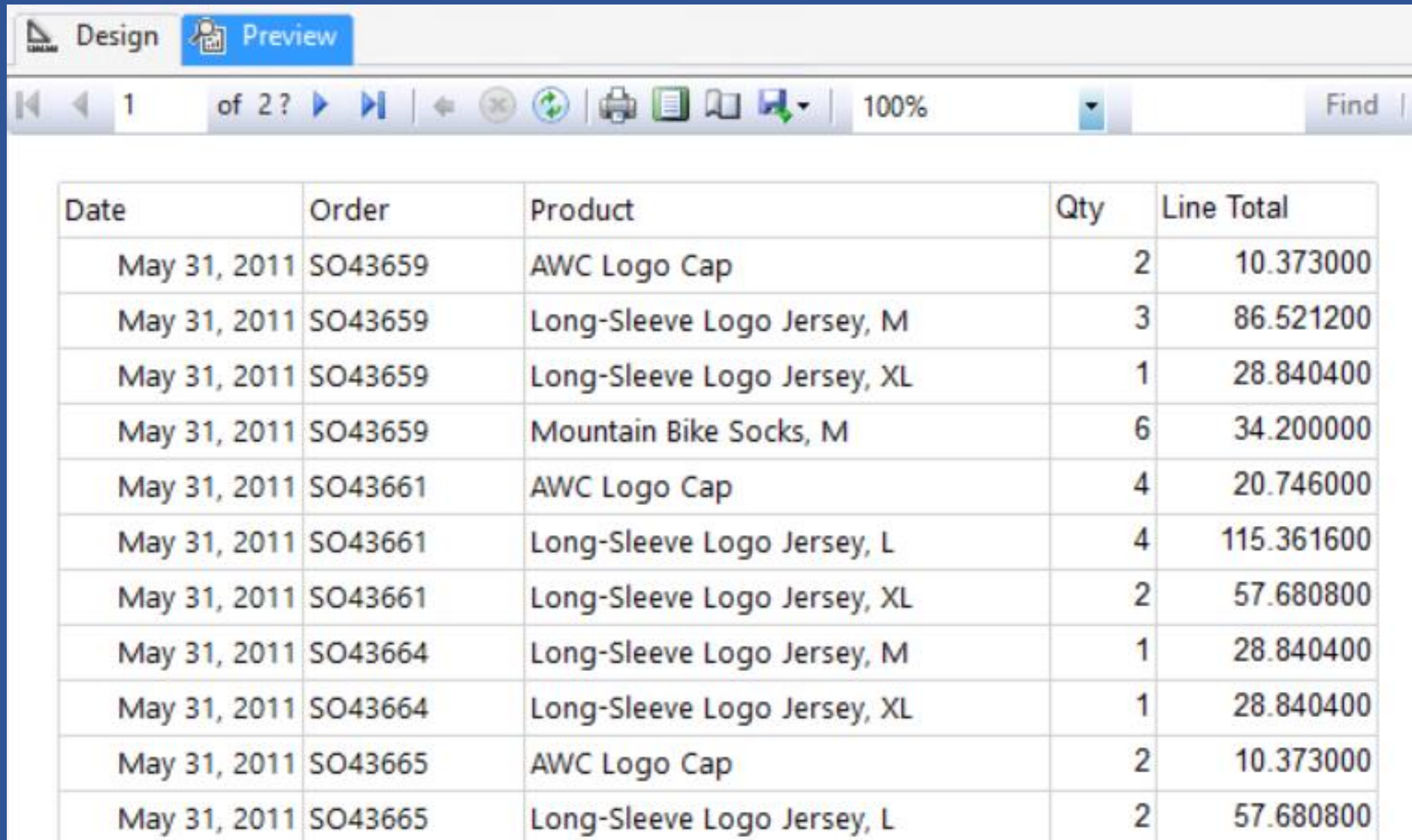
Date	Order	Product	Qty	Line Total
5/31/2011 12:00:00 AM	SO43659	AWC Logo Cap	2	10.373000
5/31/2011 12:00:00 AM	SO43659	Long-Sleeve Logo Jersey, M	3	86.521200
5/31/2011 12:00:00 AM	SO43659	Long-Sleeve Logo Jersey, XL	1	28.840400
5/31/2011 12:00:00 AM	SO43659	Mountain Bike Socks, M	6	34.200000
5/31/2011 12:00:00 AM	SO43661	AWC Logo Cap	4	20.746000

Format the Date

1. Click the Design tab.
2. Right-click the cell with the [Date] field expression and then click Text Box Properties.
3. Click Number, and then in the Category field, click Date.
4. In the Type box, select January 31, 2000.
5. Click OK.



6. Preview the report to see the change to the [Date] field

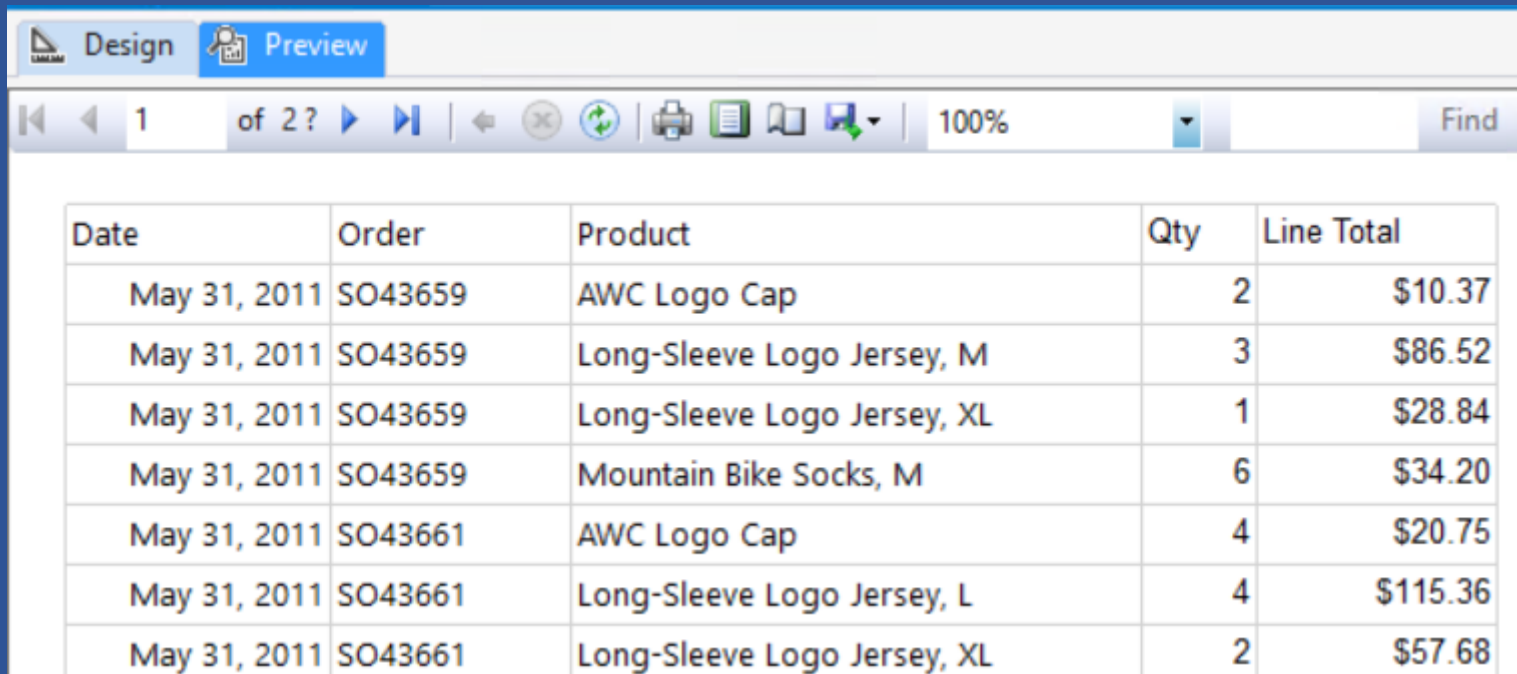


The screenshot shows the SSRS report preview interface. At the top, there is a toolbar with 'Design' and 'Preview' tabs, and a status bar indicating '1 of 2?' pages. The main content area displays a table with the following data:

Date	Order	Product	Qty	Line Total
May 31, 2011	SO43659	AWC Logo Cap	2	10.373000
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, M	3	86.521200
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, XL	1	28.840400
May 31, 2011	SO43659	Mountain Bike Socks, M	6	34.200000
May 31, 2011	SO43661	AWC Logo Cap	4	20.746000
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, L	4	115.361600
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, XL	2	57.680800
May 31, 2011	SO43664	Long-Sleeve Logo Jersey, M	1	28.840400
May 31, 2011	SO43664	Long-Sleeve Logo Jersey, XL	1	28.840400
May 31, 2011	SO43665	AWC Logo Cap	2	10.373000
May 31, 2011	SO43665	Long-Sleeve Logo Jersey, L	2	57.680800

Format the LineTotal field

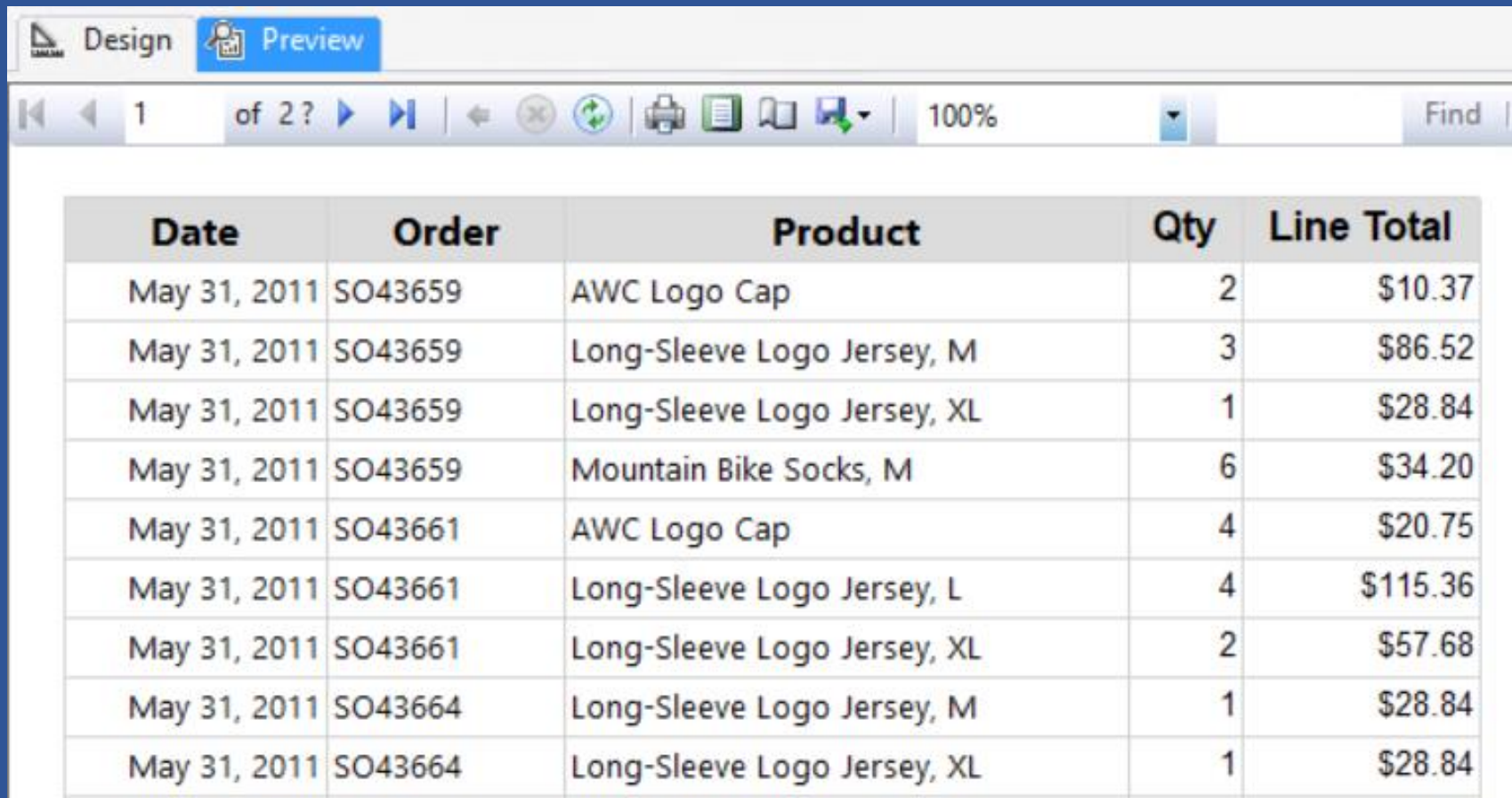
1. Go to Design
2. Right-click the cell with the [LineTotal] field expression and then click Text Box Properties.
3. Click Number, and in the Category field, click Currency.
4. Select Use 1000 separator (,).
5. Click OK.
6. Preview the report to see the change to the [LineTotal] field



The screenshot shows the SSRS report preview interface. The top bar has 'Design' and 'Preview' tabs, with 'Preview' selected. Below the tabs is a navigation bar with icons for back, forward, and other report actions, along with a 'Find' search box. The main content area displays a table with the following data:

Date	Order	Product	Qty	Line Total
May 31, 2011	SO43659	AWC Logo Cap	2	\$10.37
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, M	3	\$86.52
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, XL	1	\$28.84
May 31, 2011	SO43659	Mountain Bike Socks, M	6	\$34.20
May 31, 2011	SO43661	AWC Logo Cap	4	\$20.75
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, L	4	\$115.36
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, XL	2	\$57.68

- Format Column width
- Format Row height
- Format Header font
- Format Header justification



Date	Order	Product	Qty	Line Total
May 31, 2011	SO43659	AWC Logo Cap	2	\$10.37
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, M	3	\$86.52
May 31, 2011	SO43659	Long-Sleeve Logo Jersey, XL	1	\$28.84
May 31, 2011	SO43659	Mountain Bike Socks, M	6	\$34.20
May 31, 2011	SO43661	AWC Logo Cap	4	\$20.75
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, L	4	\$115.36
May 31, 2011	SO43661	Long-Sleeve Logo Jersey, XL	2	\$57.68
May 31, 2011	SO43664	Long-Sleeve Logo Jersey, M	1	\$28.84
May 31, 2011	SO43664	Long-Sleeve Logo Jersey, XL	1	\$28.84