Module 7: Direct Connectivity
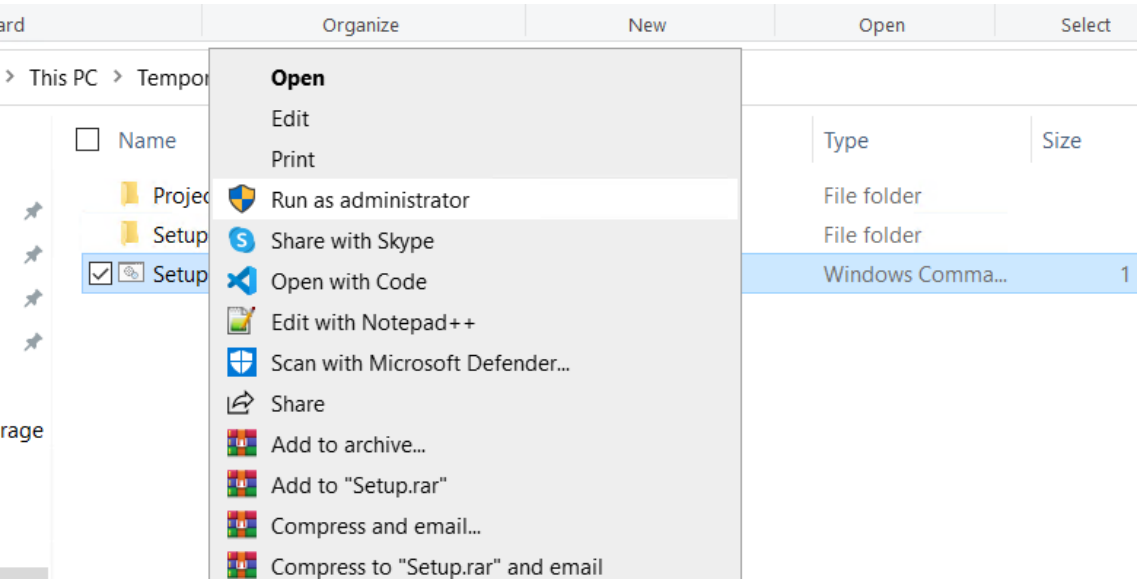
Lab: Direct connectivity

Exercise 1: Direct connections in Power BI

Task 1: Prepare the lab environment

1. Ensure that you have copied all folders from `Desktop/power-bi-quickstart` folder into *D:* drive before starting the lab.

2. In File Explorer, in the **D:\Labfiles\Lab07\Starter** folder, right-click **Setup.cmd**, and then click **Run as administrator**.

3. When the script completes, press any key to close the window.

```
C:\Windows\System32\cmd.exe                                                    —    □    ×

Database 'AdventureWorks' running the upgrade step from version 876 to version 877.
Database 'AdventureWorks' running the upgrade step from version 877 to version 878.
Database 'AdventureWorks' running the upgrade step from version 878 to version 879.
Database 'AdventureWorks' running the upgrade step from version 879 to version 880.
Database 'AdventureWorks' running the upgrade step from version 880 to version 881.
Database 'AdventureWorks' running the upgrade step from version 881 to version 882.
Database 'AdventureWorks' running the upgrade step from version 882 to version 883.
Database 'AdventureWorks' running the upgrade step from version 883 to version 884.
Database 'AdventureWorks' running the upgrade step from version 884 to version 885.
Database 'AdventureWorks' running the upgrade step from version 885 to version 886.
Database 'AdventureWorks' running the upgrade step from version 886 to version 887.
Database 'AdventureWorks' running the upgrade step from version 887 to version 888.
Database 'AdventureWorks' running the upgrade step from version 888 to version 889.
Database 'AdventureWorks' running the upgrade step from version 889 to version 890.
Database 'AdventureWorks' running the upgrade step from version 890 to version 891.
Database 'AdventureWorks' running the upgrade step from version 891 to version 892.
Database 'AdventureWorks' running the upgrade step from version 892 to version 893.
Database 'AdventureWorks' running the upgrade step from version 893 to version 894.
Database 'AdventureWorks' running the upgrade step from version 894 to version 895.
Database 'AdventureWorks' running the upgrade step from version 895 to version 896.
Database 'AdventureWorks' running the upgrade step from version 896 to version 897.
Database 'AdventureWorks' running the upgrade step from version 897 to version 898.
Database 'AdventureWorks' running the upgrade step from version 898 to version 899.
Database 'AdventureWorks' running the upgrade step from version 899 to version 900.
Database 'AdventureWorks' running the upgrade step from version 900 to version 901.
Database 'AdventureWorks' running the upgrade step from version 901 to version 902.
Database 'AdventureWorks' running the upgrade step from version 902 to version 903.
Database 'AdventureWorks' running the upgrade step from version 903 to version 904.
RESTORE DATABASE successfully processed 24276 pages in 0.941 seconds (201.539 MB/sec).
Press any key to continue . . .
```

Task 2: Direct connectivity from the Power BI Desktop

1. On the Taskbar, click **Power BI Desktop**.

2. To close the getting started window, at the top-right of the window, click **X**.

3. In the **Power BI Desktop** window, click **Get data**.

4. In the **Get Data** dialog box, click **SQL Server**, and then click **Connect**.

5. In the **SQL Server database** window, in the **Server** box, type the URL of the server **localhost** .

6. In the **Database (optional)** box, type **AdventureWorksLT**.

7. Under **Data Connectivity mode**, click **DirectQuery**, and then click **OK**.

8. In the **Navigator** dialog box, select the **SalesLT.Product** and **SalesLT.SalesOrderDetail** check boxes, and then click **Load**.
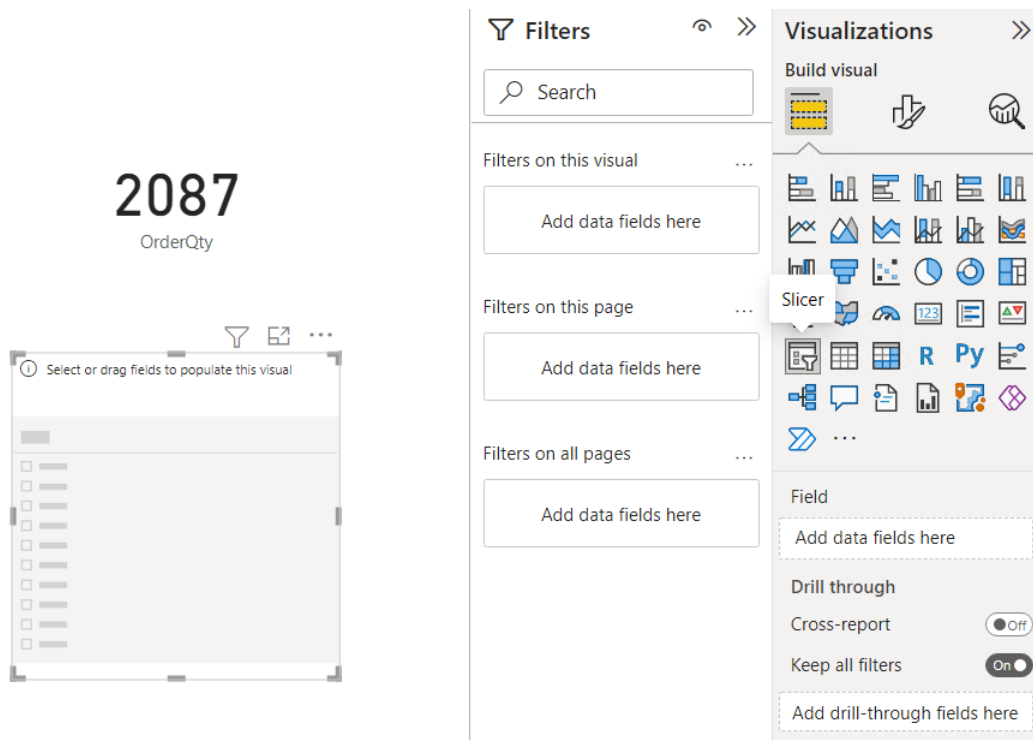

9. In the **Visualizations** pane, click the **Card** icon.
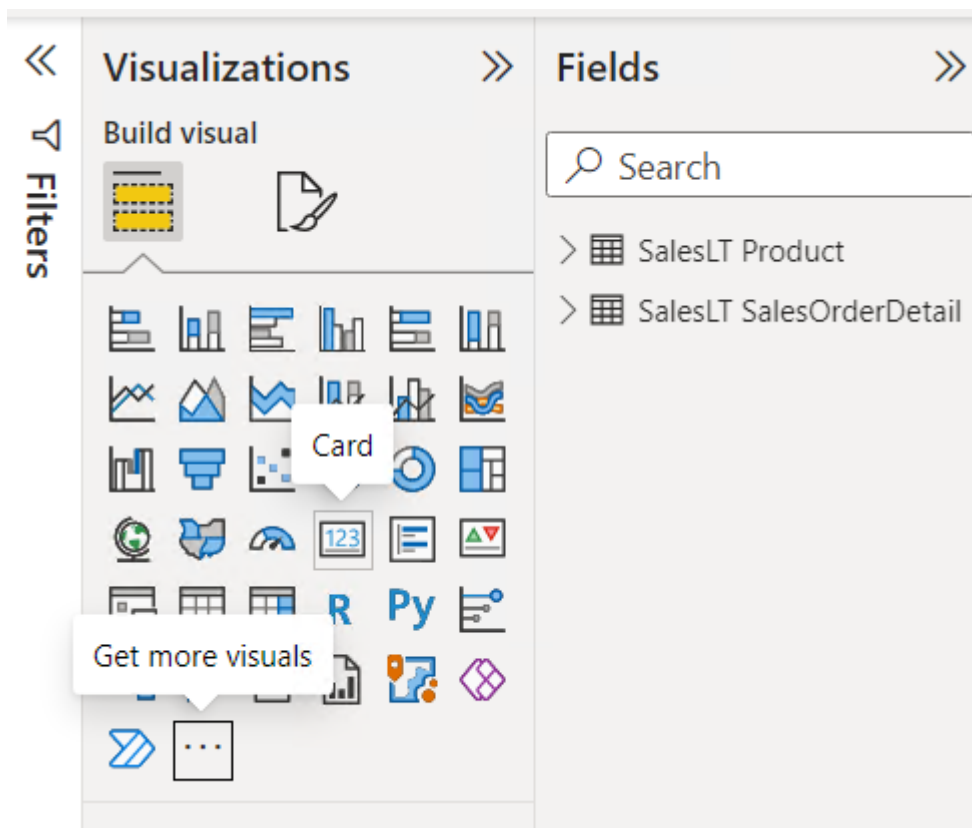
10. In the **Fields** pane, expand the **SalesLT SalesOrderDetail** table, and drag the **OrderQty** field to the chart.

11. Click the canvas, to ensure that the Card chart is not active.

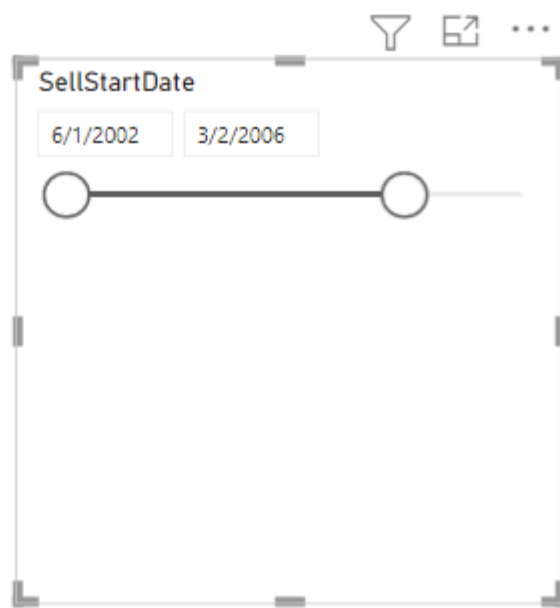12. In the **Visualizations** pane, click the **Slicer** icon.

13. In the **Fields** pane, expand the **SalesLT Product** table, and drag the **SellStartDate** field to the chart.
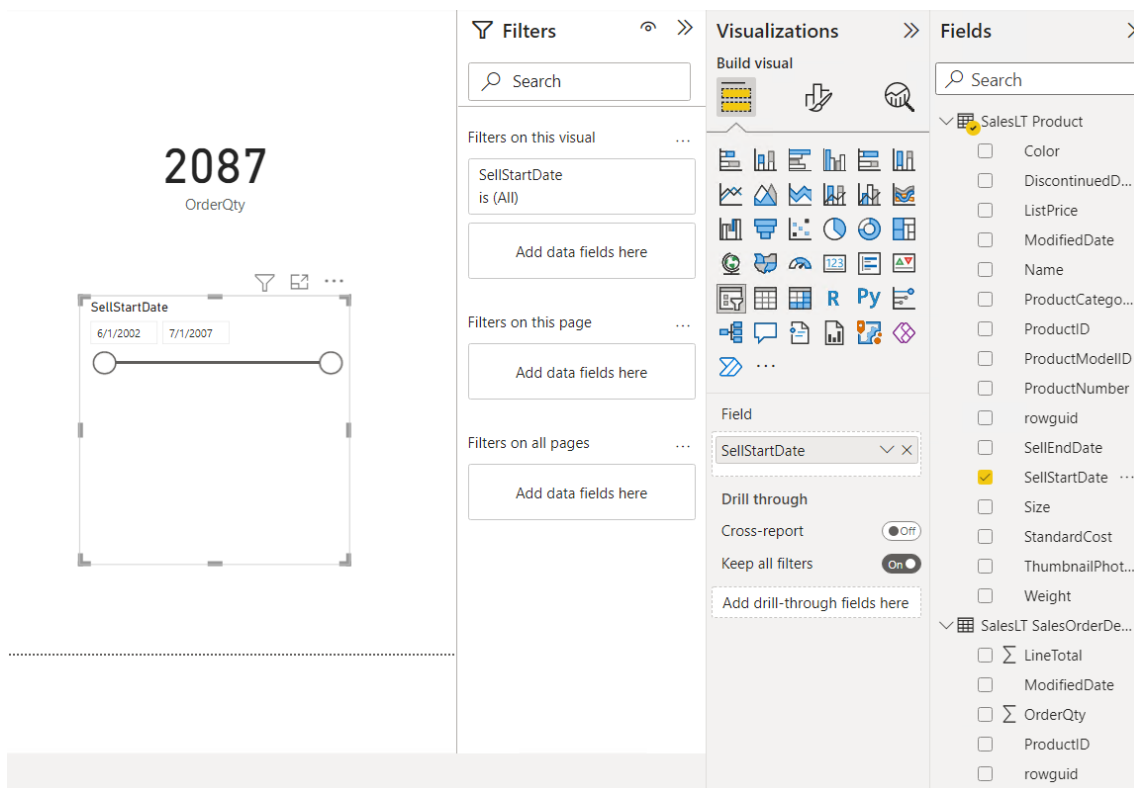
14. Drag the slider bar to reduce the date range, and verify that the **OrderQty** value changes.

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OrderQty

SellStartDate

| 6/1/2002 | 3/2/2006 |

15. On the **File** menu, click **Save**.

16. In the **Save As** dialog box, go to the **D:\Labfiles\Lab07\Starter** folder, in the **File name** box, type **Sales Orders**, and then click **Save**.