

# Module 2: Introducing Power BI

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## Lesson 1: Power BI

### Demo 1: Creating a Report with Power BI Desktop

1. Ensure the **MT17B-WS2016-NAT**, **20778C-MIA-DC** and **20778C-MIA-SQL** virtual machines are running, log on to **20778C-MIA-SQL** as **powerbi\fenago** with the password **Pa55w.rd**.
2. In the **D:\Demofiles\Mod02** folder, run **Setup.cmd** as Administrator.
3. In the **User Account Control** dialog box, click **Yes**.
4. If prompted to continue this operation, type **Y**, and then press Enter.
5. When the script completes, press any key to close the window.
6. Start **Microsoft SQL Server Management Studio 18**, and connect to the **localhost** database engine instance using Windows authentication.
7. Open the **Demo.ssmssl** solution in the **D:\Demofiles\Mod02\Demo** folder.
8. In Solution Explorer, expand **Queries**, and then open the **1 - Power BI.sql** script file.
9. On the Taskbar, click **Power BI Desktop**.
10. To close the getting started window, at the top-right of the window, click **X**.
11. In the **Power BI Desktop** window, click **Get data**.
12. In the **Get Data** dialog box, click **SQL Server**, and then click **Connect**.
13. In the **SQL Server database** window, in the **Server** box, type the URL of the Azure server **\*localhost**, and in the **Database (optional)** box, type **AdventureWorksLT**.
14. Expand **Advanced options**.
15. In SQL Server Management Studio, copy the **1 - Power BI.sql** query to the clipboard.
16. In the Power BI Desktop, in the **SQL statement (optional, requires database)** box, paste the query, and then click **OK**.
17. In the **SQL Server database** window, click **Database**.
18. In the **User name** box, type **Student**.
19. In the **Password** box, type **Pa55w.rd**, and then click **Connect**.
20. In the data preview window, click **Load**.
21. If the **Connection Settings** window appears, leave **Import** selected, and then click **OK**.
22. In the **VISUALIZATIONS** pane, click **Stacked column chart**.
23. In the **FIELDS** pane, under **Query1**, select the **ProductName** and **TotalSales** check boxes. The chart will auto populate. Expand the chart control to horizontally show the full names of the products.

24. In the **VISUALIZATIONS** pane, click **Format**.
25. Expand **Title**, and change the **Title text** value to **Top 10 Selling Products**.
26. Next to **Alignment**, click the **Center** icon.
27. Toggle **Data labels** to be **On**.
28. Expand the **Data colors** list, and choose another color to change the bars on the chart.
29. On the **File** menu, click **Save As**. Name the report **Adventure Works Sales 2**, and save to the **D:\Demofiles\Mod02\Demo** folder.