

Module 6: Database Objects

Demonstration: Creating and Using Views

Objectives

In this demonstration, you will see how to:

- Create a view.
- Query a view.
- Create an index on a view.
- Locate views and indexes by using Object Explorer.

Preparation

1. Ensure that the 10985C-MIA-DC and 10985C-MIA-SQL virtual machines are running and then log on to 10985C-MIA-SQL as **ADVENTUREWORKS\Student** with the password **Pa\$\$w0rd**.
2. In the **D:\Demofiles\Mod06** folder, right-click **Setup.cmd**, and then click **Run as administrator**.
3. In the **User Account Control** dialog box, click **Yes**, and wait for setup to complete.

Demonstration Steps

1. Open **Microsoft SQL Server Management Studio**, and then connect to the **MIA-SQL** instance of the database engine by using **Windows Authentication**.
2. On the **File** menu, point to **Open**, click **File**, browse to **D:\Demofiles\Mod06**, click **Create Views.sql**, and then click **Open**.
3. Under the comment **Create a view**, review the Transact-SQL statements, select them, and then click **Execute**.
4. Under the comment **Query the view**, review the Transact-SQL statements, select them, and then click **Execute**.
5. Under the comment **Query the view with a WHERE clause**, review the Transact-SQL statements, select them, and then click **Execute**.
6. Under the comment **Create an index on the view**, review the Transact-SQL statements, select them, and then click **Execute**.
7. In Object Explorer, expand **Databases**, expand **Demo**, expand **Views**, and note the view that you created in step 3.
8. Expand **dbo.VW_CustomerOrders**, expand **Indexes**, and note the index that you created in step 6.
9. Close SQL Server Management Studio without saving changes.

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