Module 5: Performance

Demonstration: Locking and Blocking

Objectives

In this demonstration, you will see the effects of locking and blocking.

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. Run **D:\Demofiles\Mod05\Setup.cmd** as an administrator to revert any changes.

Demonstration Steps

1. On the taskbar, click **Microsoft SQL Server Management Studio**.

2. In the **Connect to Server** dialog box, in the **Server name** box, type **MIA-SQL**. Ensure **Windows Authentication** is selected in the **Authentication** box, and then click **Connect**.

3. On the **File** menu, point to **Open**, click **File**, browse to the **D:\Demofiles\Mod05\Demo3A.sql** file, and then click **Open**.

4. On the **File** menu, point to **Open**, click **File**, browse to the **D:\Demofiles\Mod05\Demo3B.sql** file, and then click **Open**.

5. To start the first query, switch to the **Demo3A** tab, highlight the code under **Step 1** and click **Execute**. Do not wait for the query to complete (it won't).

6. Switch to the **Demo3B** tab, highlight the code under **Step 2** and click **Execute**.

7. Note that the query does not complete because it is being blocked.

8. Switch to the **Demo3A** tab and, on the toolbar, click **Cancel Executing Query**.

9. Wait until the cancellation has completed and switch to the **Demo3B** tab.

10. Notice that the query has now completed because the locks have been released.

11. Close SQL Server Management Studio without saving any changes.