

# Lab Answer Key: Module 1: Introduction to Microsoft SQL Server

## Lab: Working with SQL Server Tools

### Exercise 1: Working with SQL Server Management Studio

#### Task 1: Open Microsoft SQL Server Management Studio

1. Ensure that the **MT17B-WS2016-NAT**, **20761C-MIA-DC** and **20761C-MIA-SQL** virtual machines are running.
2. Log on to **20761C-MIA-SQL** as **ADVENTUREWORKS\Student** with the password **Pa55w.rd**.
3. Start SQL Server Management Studio.
4. In the **Connect to Server** dialog box, click **Cancel**.
5. Close the Object Explorer window by clicking the **Close** icon.
6. Close the Solution Explorer window by clicking the **Close** icon.
7. To open the Object Explorer pane, on the **View** menu, click **Object Explorer** (or press F8).
8. To open the Solution Explorer pane, on the **View** menu, click **Solution Explorer** (or press Ctrl+Alt+L).

#### Task 2: Configure the Editor Settings

1. In SQL Server Management Studio, on the **Tools** menu, click **Options**.
2. In the **Options** dialog box, expand the **Environment** option, and then click **Fonts and Colors**.
3. In the **Show settings for** list, click **Text Editor**.
4. In the **Size** box, set the font size to **14**.
5. In the left pane, expand **Text Editor**, expand **Transact-SQL**, and then click **IntelliSense**.
6. In the **Transact-SQL IntelliSense Settings** section, clear the **Enable IntelliSense** check box.
7. In the left pane, under **Transact-SQL**, click **Tabs**, and then change the **Tab size** to **6**.
8. In the left pane, expand **Query Results**, expand **SQL Server**, and then click **Results to Grid**.
9. Select the **Include column headers when copying or saving the results** check box, and then click **OK**.

**Result:** After this exercise, you should have opened SSMS and configured editor settings.

## Exercise 2: Creating and Organizing T-SQL Scripts

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### Task 1: Create a Project

1. On the **File** menu, point to **New**, and then click **Project**.
2. In the **New Project** dialog box, click **SQL Server Scripts**.
3. In the **Name** box, type **MyFirstProject**.
4. In the **Location** box, type **D:\Labfiles\Lab01\Starter**, and then click **OK** to create the new project.
5. In Solution Explorer, under **MyFirstProject**, right-click the **Queries** folder, and then click **New Query**.
6. In the **Connect to Database Engine** dialog box, click **Cancel**.
7. Under the **Queries** folder, right-click **SQLQuery1.sql**, click **Rename**, type **MyFirstQueryFile**, and then press Enter.
8. On the **File** menu, click **Save All**.

### Task 2: Add an Additional Query File

1. In Solution Explorer, right-click the **Queries** folder, and then click **New Query**.
2. In the **Connect to Database Engine** dialog box, click **Cancel**.
3. In the **Queries** folder, right-click **SQLQuery1.sql**, click **Rename**, type **MySecondQueryFile**, and then press Enter.
4. On the taskbar, click **File Explorer**.
5. In File Explorer, navigate to the **D:\Labfiles\Lab01\Starter\MyFirstProject\MyFirstProject** folder to see where the files have been created.
6. In SQL Server Management Studio, in Solution Explorer, right-click **MySecondQueryFile.sql**, and then click **Remove**.
7. In the **Microsoft SQL Server Management Studio** dialog box, click **Remove**.
8. In File Explorer, press F5 to refresh, notice that the file **MySecondQueryFile.sql** is still there.
9. In SQL Server Management Studio Solution, in Solution Explorer, right-click **MyFirstQueryFile.sql**, and then click **Remove**.
10. In the **Microsoft SQL Server Management Studio** dialog box, click **Delete**.
11. In File Explorer, press F5 to refresh, notice that the **MyFirstQueryFile.sql** file has been deleted.

**Task 3: Reopen the Created Project**

1. In SQL Server Management Studio Solution, on the **File** menu, click **Save All**.
2. On the **File** menu, click **Exit** to close the project and SQL Server Management Studio.
3. Open SQL Server Management Studio.
4. In the **Connect to Server** dialog box, click **Cancel**.
5. On the **File** menu, point to **Open**, and then click **Project/Solution**.
6. In the **Open Project** dialog box, navigate to the **D:\Labfiles\Lab01\Starter\MyFirstProject** folder, click **MyFirstProject.ssmssln**, and then click **Open**.
7. In File Explorer, navigate to the **D:\Labfiles\Lab01\Starter\MyFirstProject\MyFirstProject** folder.
8. Drag the **MySecondQueryFile.sql** file to the **Queries** folder in **Solution Explorer**.
9. On the **File** menu, click **Save All**.

**Result:** After this lab exercise, you will have a basic understanding of how to create a project in SSMS and add T-SQL query files to it.