# Federal Election Commission SQL Server Workshop Lab Handout

## Module 1 Lab

#### Exercise 1: Dynamic Management Views

Open script 01\_DMV\_Intro.sql and follow the steps

#### Exercise 2: Monitor Current Activity

Open a session for 01\_SELECT\_GO\_100 and run the query

Open a session for 01\_Exec\_OS\_DMV and run the query to monitor current activity

#### Exercise 3: Monitor Waits and Blocking

Open a session for 01\_BlockingDemo1.sql and run the query

Open a separate session for 01\_BlockingDemo2.sql and run the query

Now run the code in 01\_Waits.sql to see that one of the sessions is blocked.

## Module 2 Lab

#### Exercise 1: Create a Database

Open script 02\_CreateDatabase.sql and follow the steps

#### Exercise 2: Create a Table and Add Records

Open script 02\_CreateTable.sql and follow the steps

Open script 02\_AddRecords.sql and follow the steps

#### Exercise 3: Locate Data Pages

Open script 02\_DBCC\_Statement.sql and follow the steps

#### Exercise 4: Manage Transaction Logs

Open script 02\_TransLog\_Reading.sql and follow the steps

#### Exercise 5: Configure TempDB Files

Use SQL Server Management Studio to view the properties of the TempDB system database on your instance and note the current location and size of the TempDB database files.

How many TempDB files do you have?

## Module 3 Lab

#### Exercise 1: Backup and Restore Database

Open script 03\_BackupDatabase.sql and follow the steps

## Module 4 Lab

#### Exercise 1: Backup and Restore Database

Open script 04\_Agent\_Services.sql and follow the steps

## Module 5 Lab

#### Exercise 1: Authentication and Authorization

Open script 05\_Users\_Permissions.sql and follow the steps

#### Exercise 2: Row Level Security

Open script 05\_Row\_Level\_Security.sql and follow the steps

#### Exercise 3: Dynamic Data Masking

Open script 05\_Data\_Masking.sql and follow the steps

## Module 6 Lab

#### Exercise 1: Backup Encryption

Open script 06\_BackupCertDemo.sql and follow the steps

#### Exercise 2: Always Encrypted

Open script 06\_AlwaysEncrptedDemo.sql and follow the steps