Installing SQL Server 2016

NOTE – this install is for a Windows 8 or higher operating system. It will not install on a Mac OS.

Step 1: Update Windows

Before installing SQL Server you need to make sure that your computer is up to date and has all the latest patches from Microsoft. The location of Windows Update varies in different versions of Windows. In Windows 10 you can run Windows Update with the following steps:

RIGHT-click on the Start Menu button, which will produce this menu: →

Click "Settings", which will take you to this screen (below):
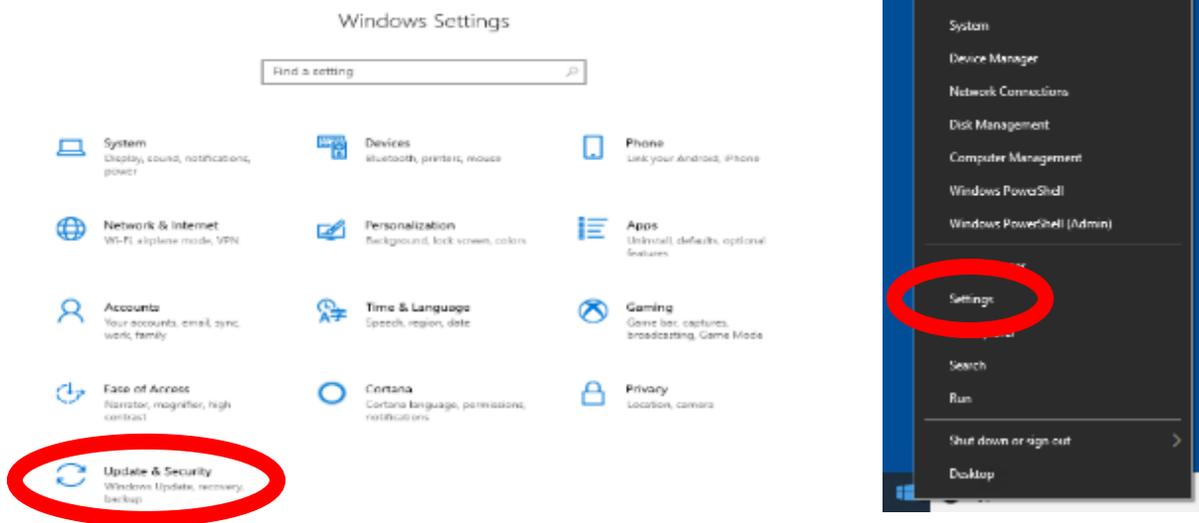
Click "Update and Security", which will bring up this screen:
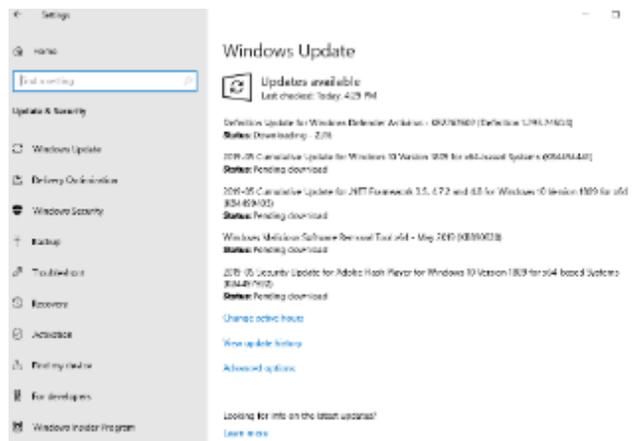
The example above shows several updates taking place. Wait for them all to complete. This may require several restarts, and after each one you should **return to this screen and repeat the update process**.

When finished, this screen should look like this:

Once it says you're "up to date" (as shown above), then you're ready to install SQL Server.

Step 2: Download and Install SQL Server

Go to this Web site:

https://www.microsoft.com/en-us/download/details.aspx?id=56840

On the screen you should see this:
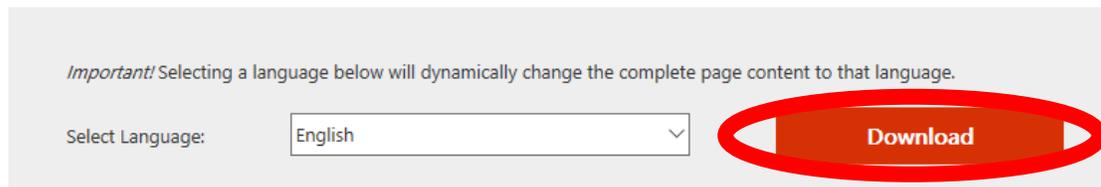
Click "Download". Depending on your browser, this will either start the download or prompt you for the option to Run or Save the file. If you save it, remember where you saved it on your hard drive and then run it after the download completes. If you select the Run option (in IE or Edge), the installer will launch immediately.

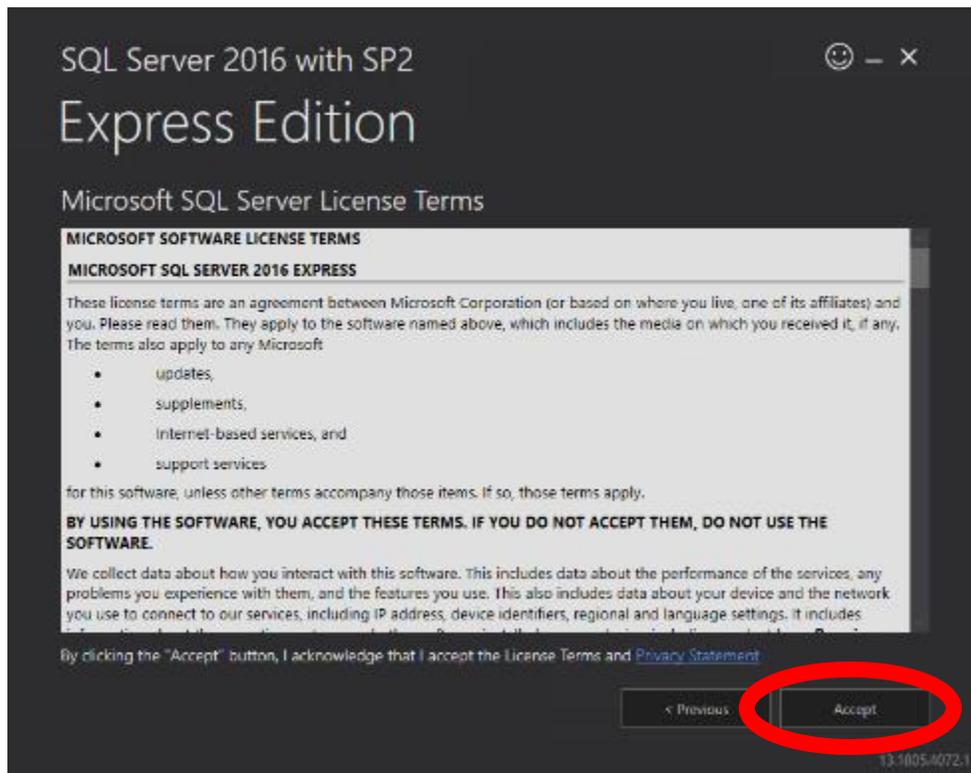When you run the program, you may see this message: →
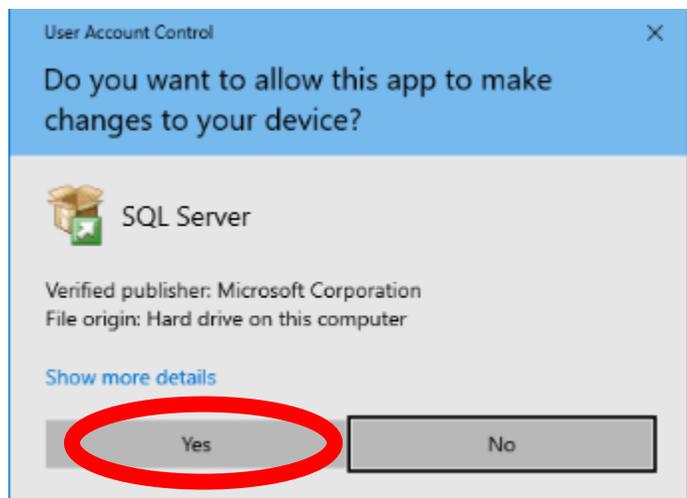
Click "Yes" to continue.

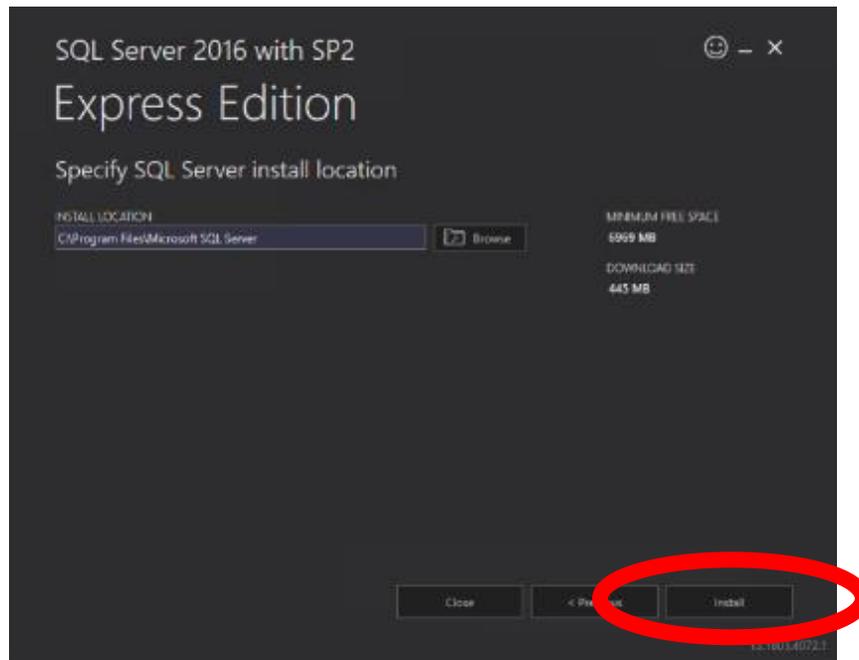After a short delay, this screen will appear:

Click "Basic" to continue. (The other options are not recommended and have not been tested for us in this course.)

The next screen is for the license terms, and looks like this:


Click "Accept" to continue.

Next is the install location screen, which looks like this:

If you need to change the location that SQL Server will install to, you can do so here. If you don't have enough hard drive space the screen may indicate this on the right side. If you do have sufficient space then the default location is recommended.

Click "Install" to begin the installation. This will take some time, and you may see screens during installation that look similar to this:
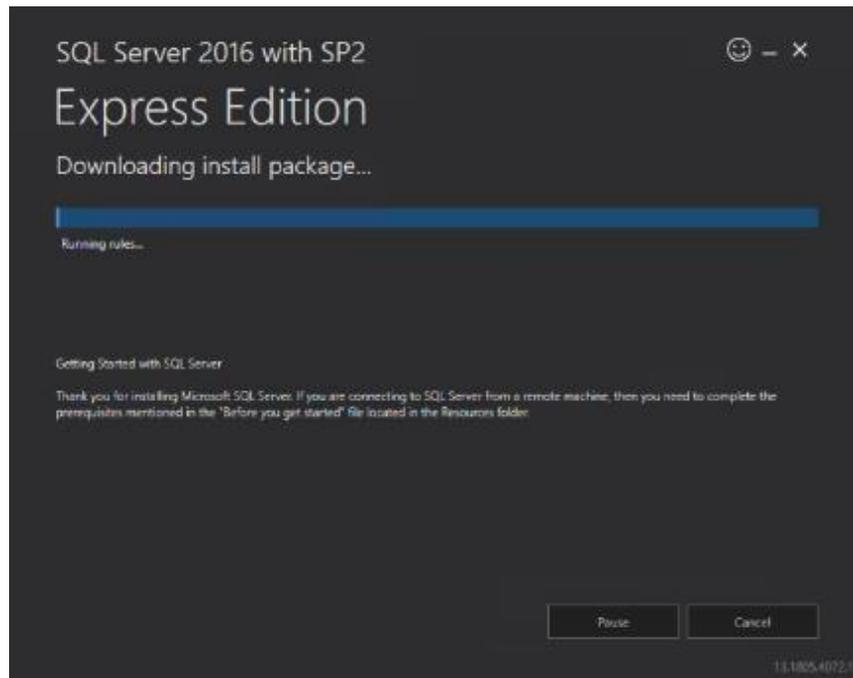
The installation will begin. It will take several minutes. When finished, it will arrive at the screen below. Look for the button marked "Install SSMS", which is circled in red below:
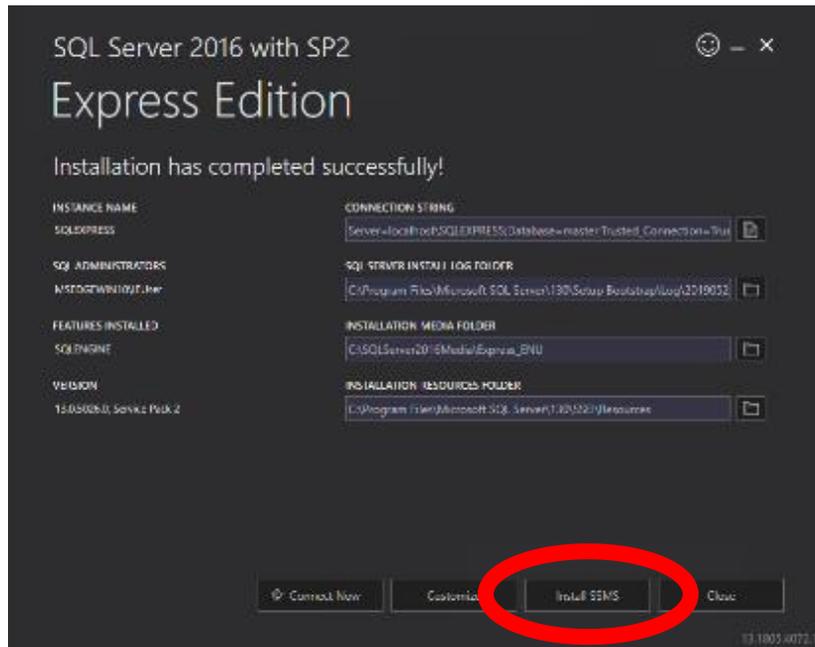
Click "Install SSMS". This will bring up a Web site, which looks like this:

On that page, click the link that says "Download SSMS 18.0 (GA)". (Circled in red above and shown below.)

This will again give you the option to Run or Save. Click Run (or save and then double-click the file).

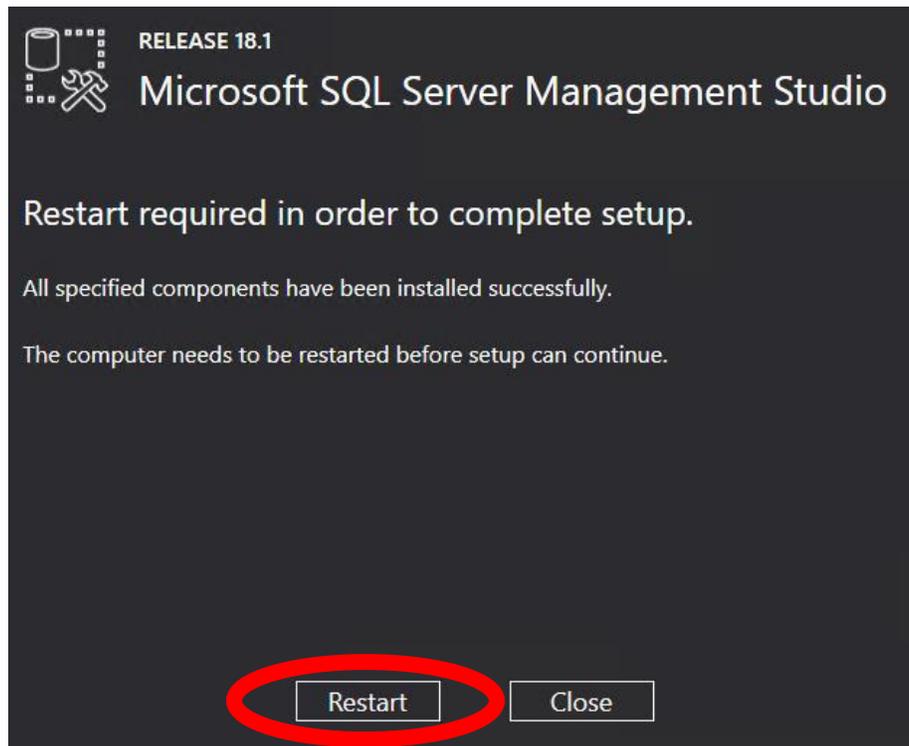This should bring you to another User Account Control screen, like this:
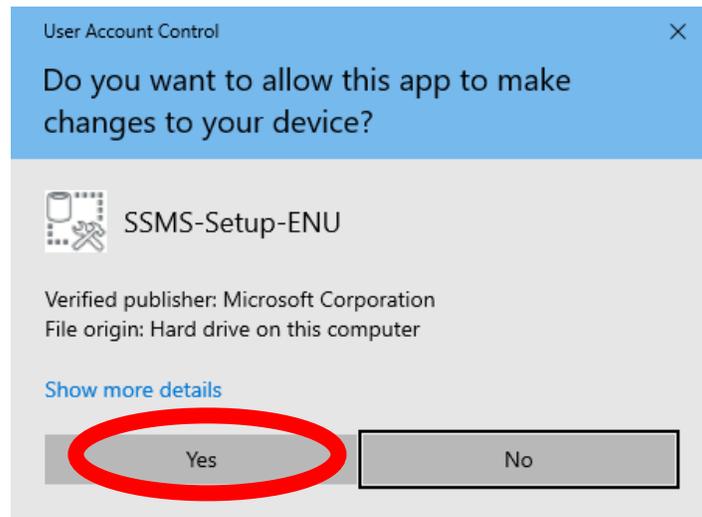
Click "Yes" on the User Account Control screen and wait for it to arrive at this screen:
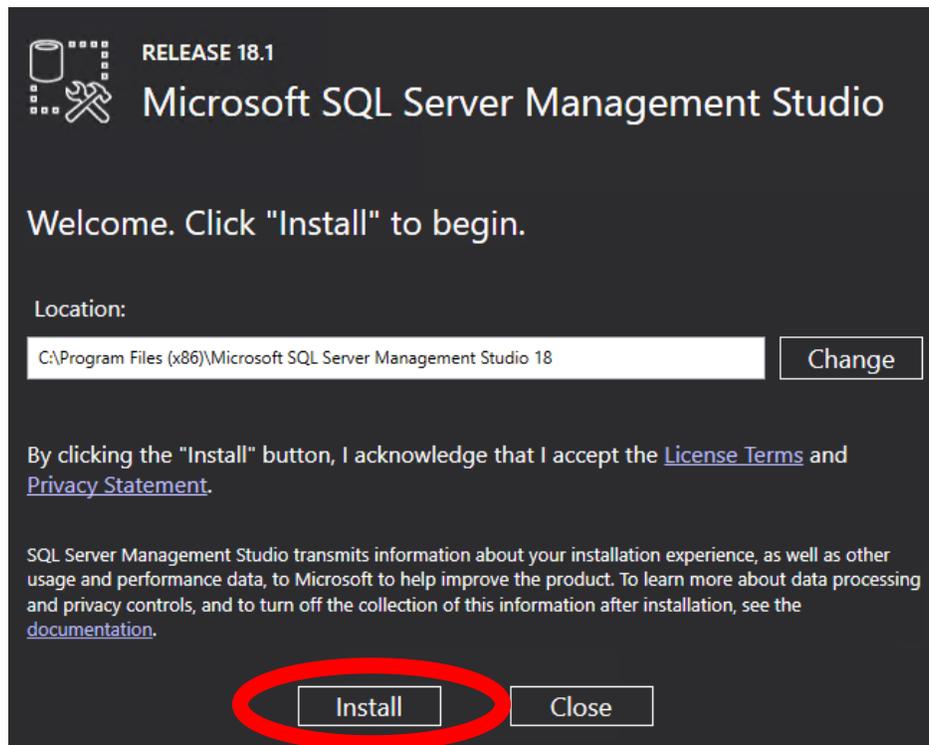
Click "Install". Wait for the installation to complete.

It will arrive at this screen:

Click "Restart" and wait for your computer to restart. We're now ready to test the installation.

**Step 3: Creating a Shortcut for SMSS**

When your computer is finished rebooting, click on the Start menu and type "SQL". Look for a search result that reads "Microsoft SQL Server Management Studio 18" (there are several entries that were added during installation, so you may have to type in the entire title in order to find it). **RIGHT**-click on it and pin it to your Start menu or Taskbar as you prefer (this is just to save time in the future).
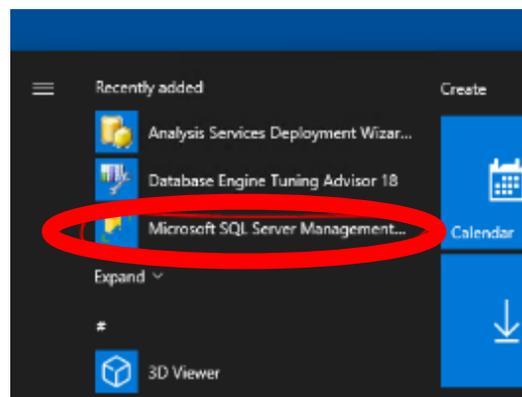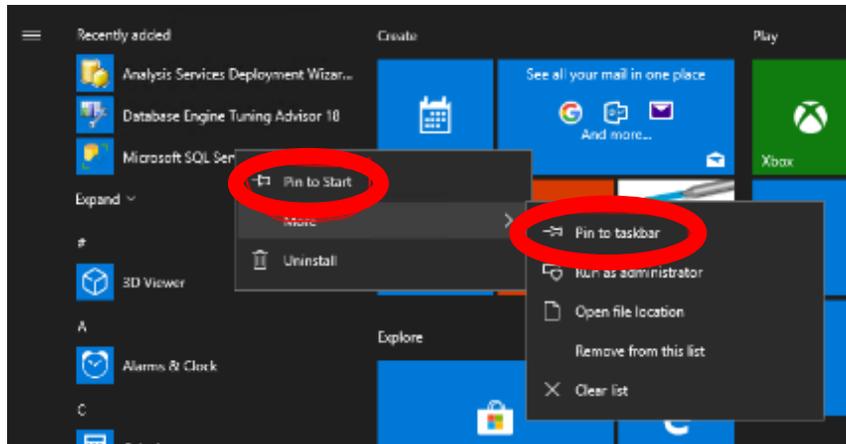
Step 4: Test SQL Server

Click on the icon you made above, which will run SSMS. (It may take some time to load.) When it is finished loading, this screen will appear in SSMS:
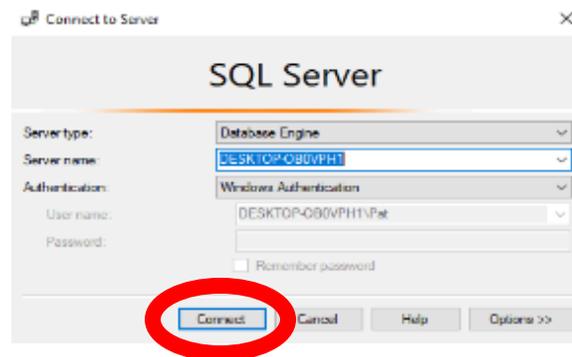

Note: The name of the server in the Server Name field may be slightly different from what is shown above.

Do not change any information on this screen. Click "Connect" to connect SSMS to your SQL Server. The server itself was started automatically with Windows and is running in the background. SSMS will connect to SQL Server and provide an interface to work with it. After startup, the Object Explorer on the left side of the screen should appear, looking like this: →
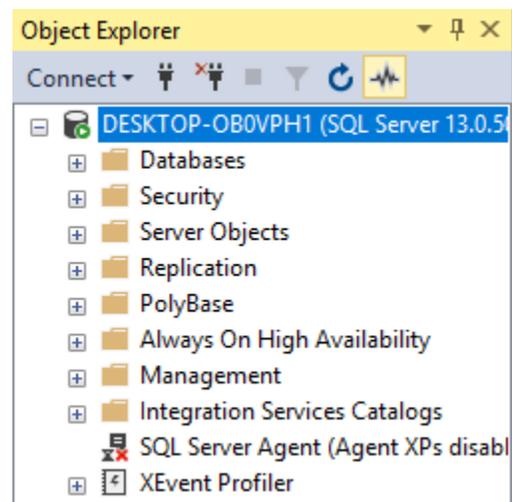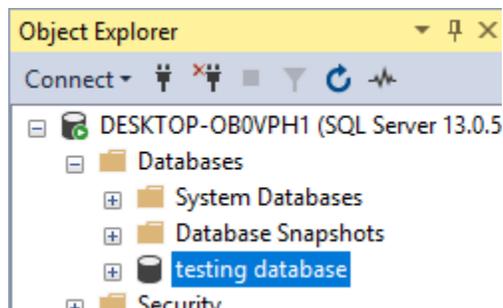
RIGHT-click on the Databases folder and click "New Database". →

That will bring up the new database creation screen, which looks like this (below):
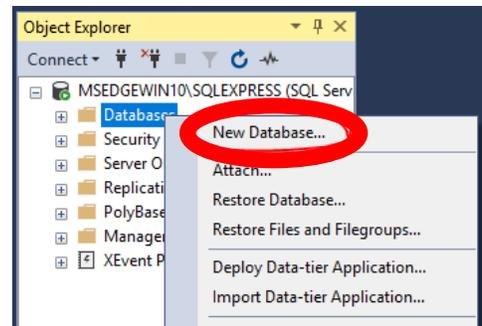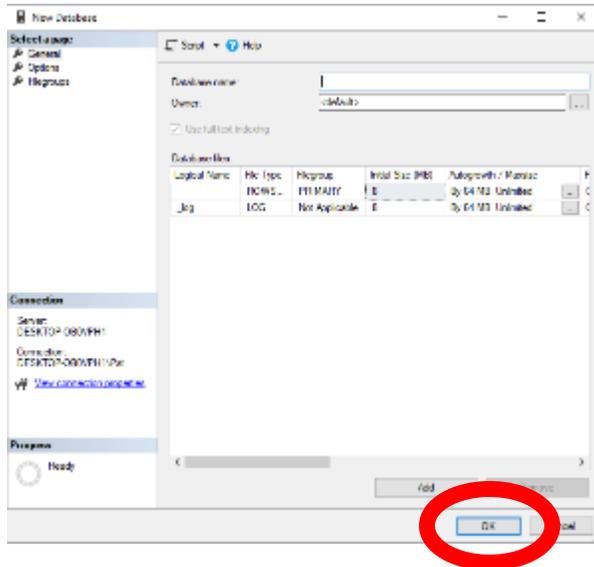
On the database creation screen, type "testing database" into the "Database name" field, then click OK.

This will expand the Databases folder and reveal your database, like this:

This shows that SQL Server is up and running and is properly connected to SSMS. **You're all set for the course!**

When finished, you may close SSMS. Note that SQL Server will continue to run in the background.

Changelog:

6/26/19 Updated to SSMS 18.1 (changed screenshots).