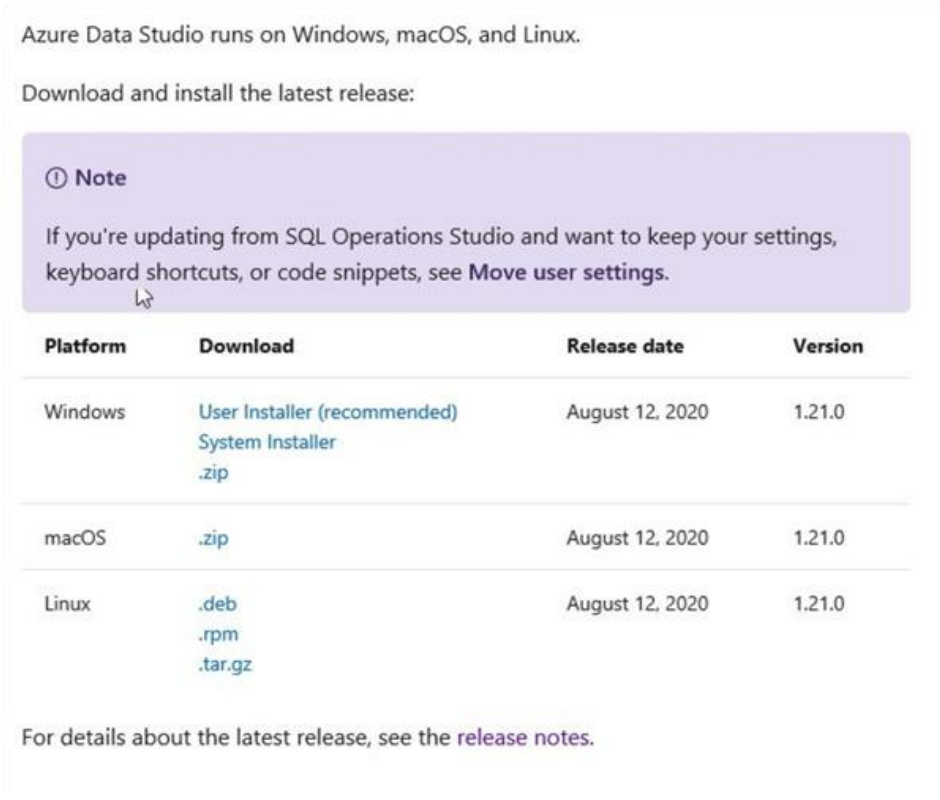
Installation of Azure Data Studio

The Azure Data Studio is not an entirely new tool, it has its predecessor called SQL Operations Studio, which was developed with an idea of having a cross platform tool to work with SQL Server not only under OS Windows like SSMS or VS do, but on Linux and MAC as well.

Step by Step Process to Install Microsoft Azure Data Studio

Step-1 : The first step to install Azure Data Studio is to download the installation package from the Microsoft website. Once you access it, you will see the screen below. Every operating system will have a different installation process. As we are installing Azure Data Studio on Windows machine, let's download the setup given for a Windows platform.

You can choose the platform when you download the ADS from the official download page: https://docs.microsoft.com/en-us/sql/azure-data-studio/download?view=sql-server-ver15



Azure Data Studio runs on Windows, macOS, and Linux.

Download and install the latest release:

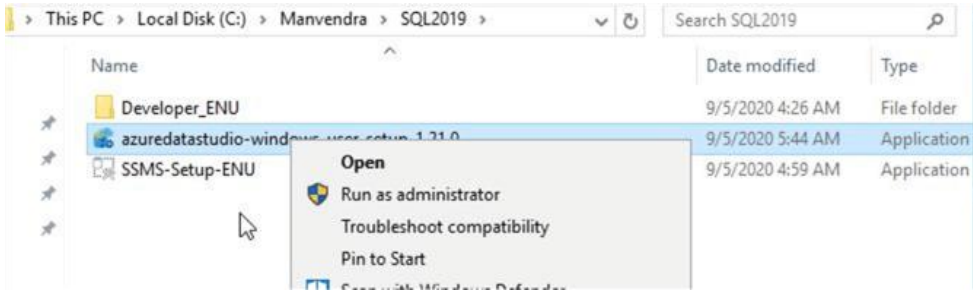
ⓘ Note

If you're updating from SQL Operations Studio and want to keep your settings, keyboard shortcuts, or code snippets, see **Move user settings.**

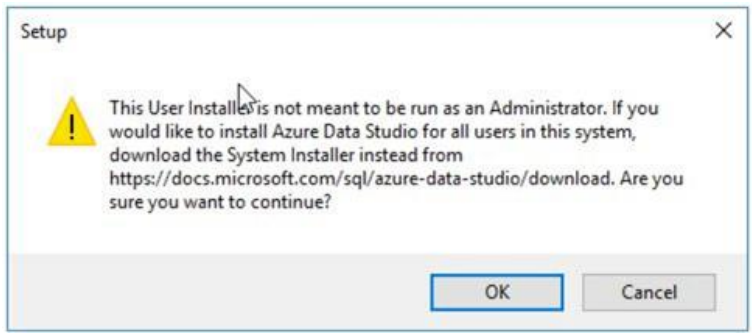
Platform	Download	Release date	Version
Windows	User Installer (recommended) System Installer .zip	August 12, 2020	1.21.0
macOS	.zip	August 12, 2020	1.21.0
Linux	.deb .rpm .tar.gz	August 12, 2020	1.21.0

For details about the latest release, see the release notes.

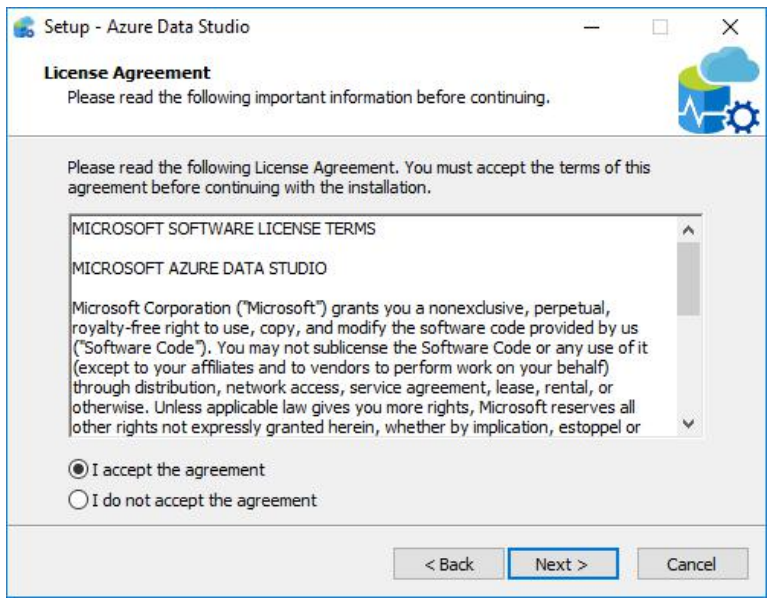
Step-2 : The next step is to run this installer. Right click the downloaded file and select "Run as administrator" as shown below.



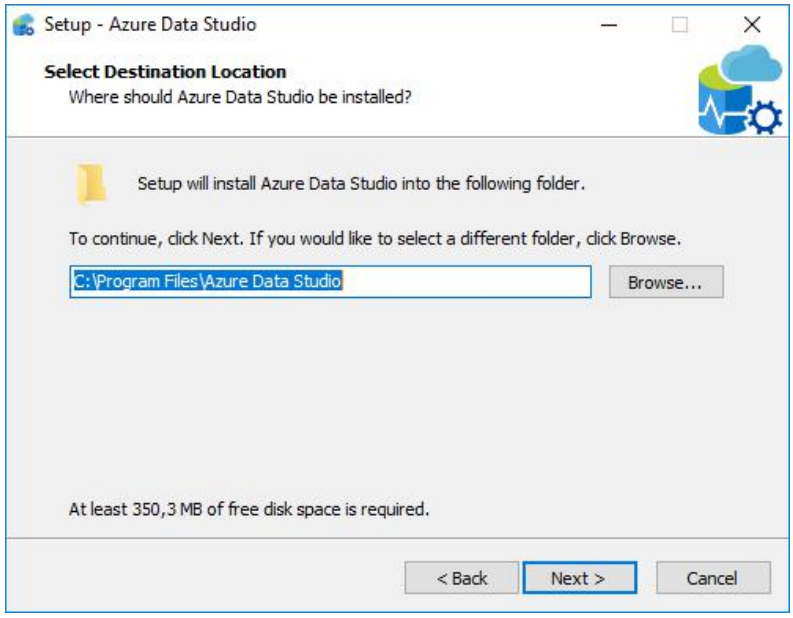
Once you select the run as administrator option, you will get another pop-up dialog box mentioning that this installation does not require you to be an administrator. Select, "ok". If you want, you can cancel this window and execute the downloaded file directly by double clicking it.



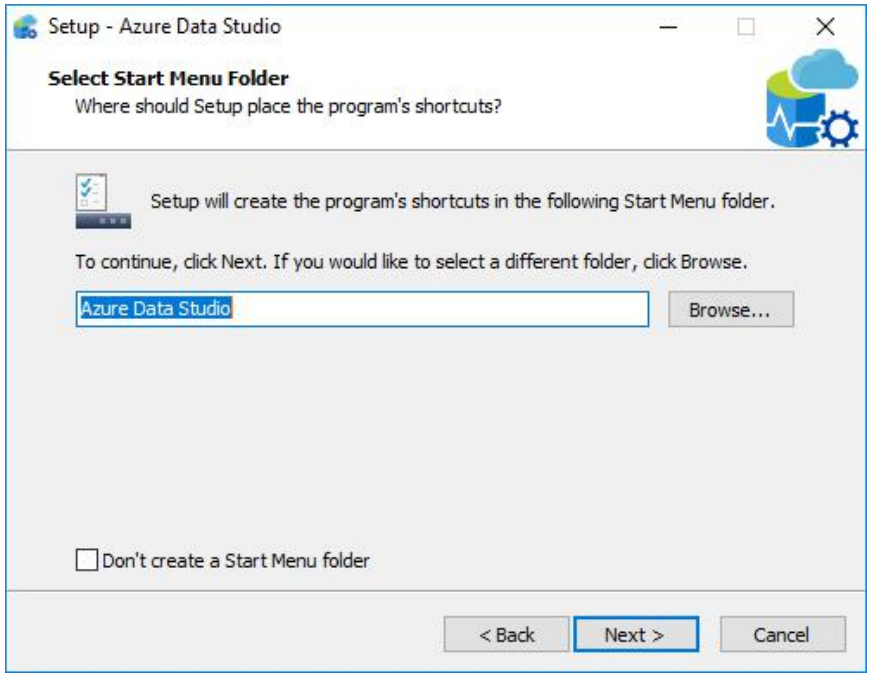
Step-3 : The next window will appear to ask you to accept the license agreement. Choose the right radio button to accept the license terms and click "Next" to go to the next window.



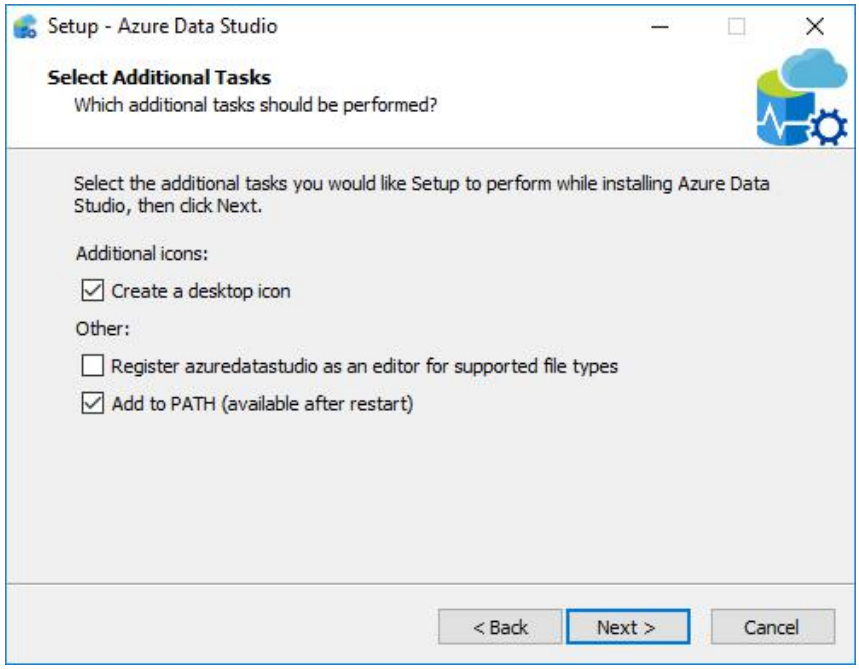
Step-4 : We need to select the location where we want to install this software. You can choose what's best for you. I have left this installation path as it is with its default value.



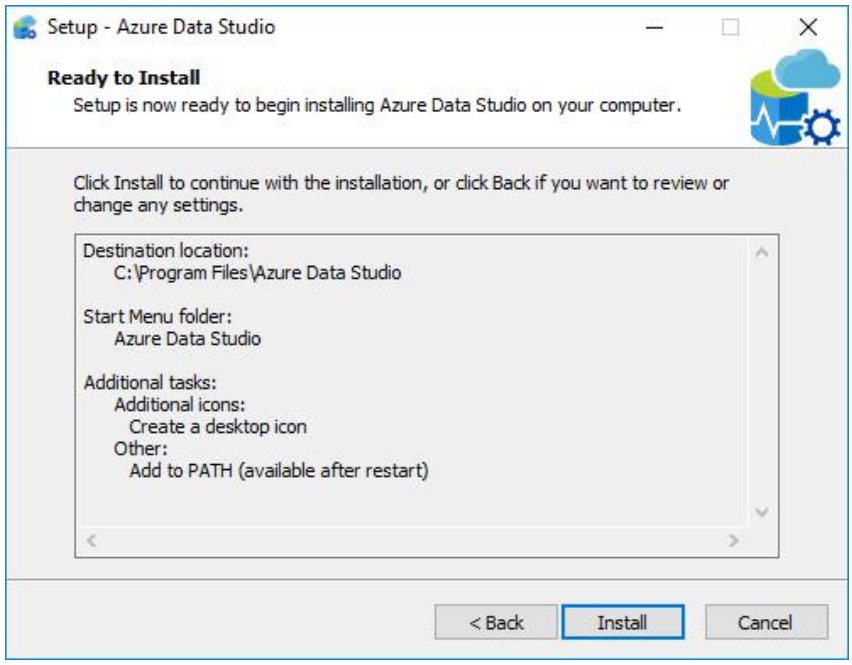
Step-5 : The next window will ask you to choose shortcut options that will appear on your desktop and the start menu post installation. You can also choose to not create a start menu folder by selecting the checkbox shown at the bottom side of the below screen. I left this with its default value and clicked "Next" to proceed.



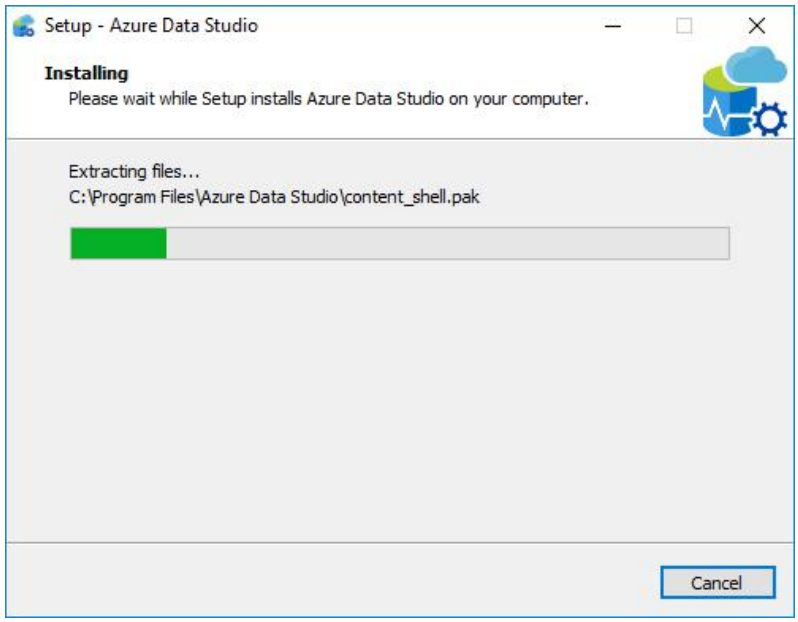
Some other options and checkboxes will appear in the next screen that are related to the desktop and other icons as shown below.



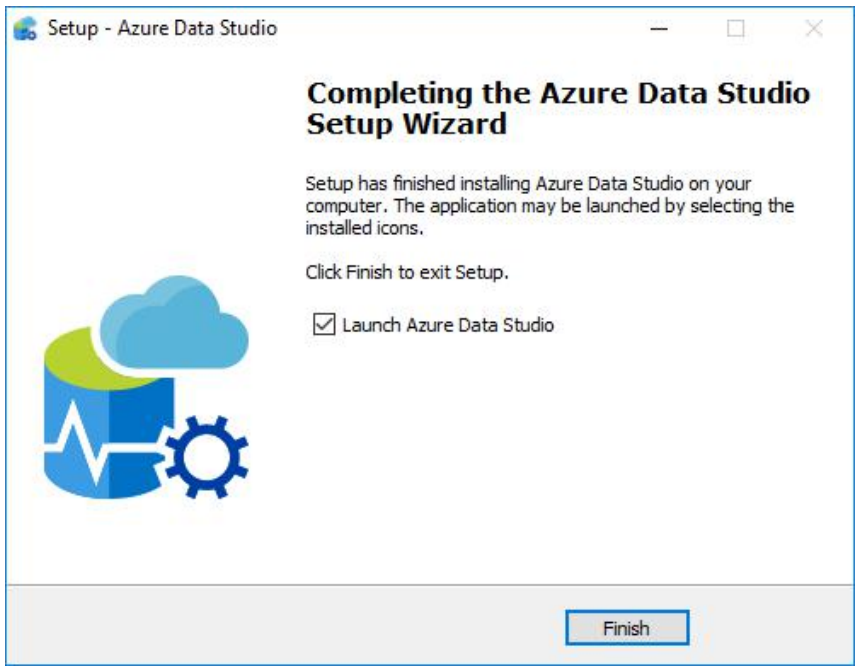
Step-6 : This is the last configuration window where you can review all the options you have chosen. Validate them and hit the "Install" button to start the installation.



Step-7 : Installation will start by displaying the progress bar as shown in the screenshot below. Let it run and wait until it is complete.

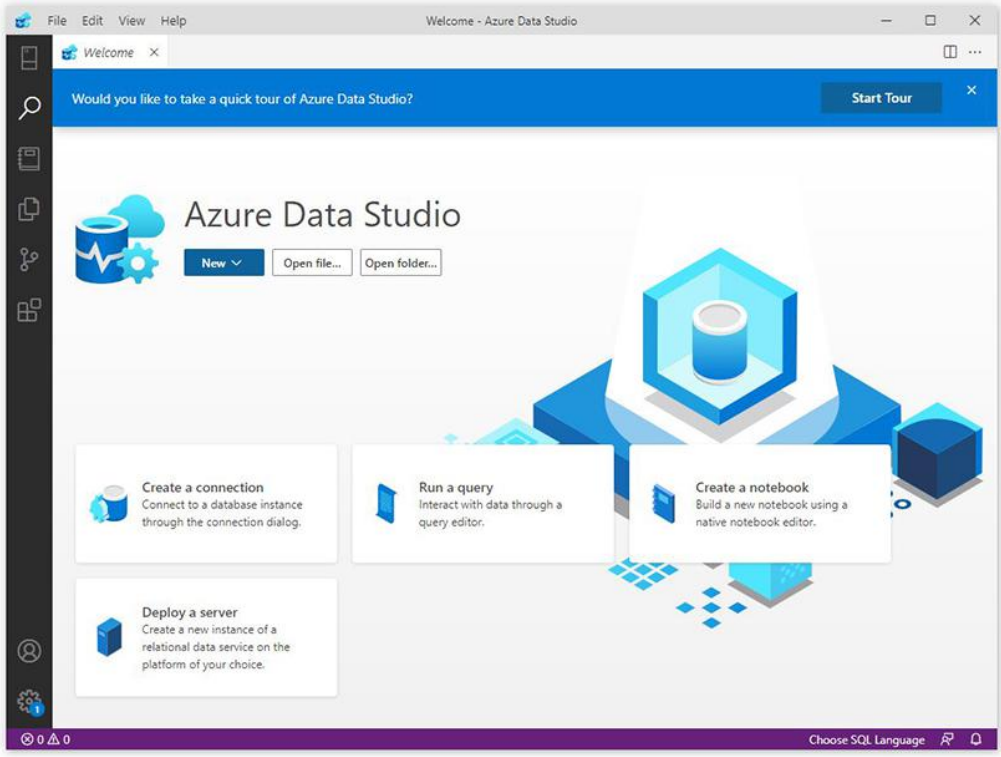


Azure Data Studio has been installed as you can see below. Click "Finish" to close the installation window. If you don't want to launch Azure Data Studio, be sure to uncheck the box before hitting the finish button as shown below.

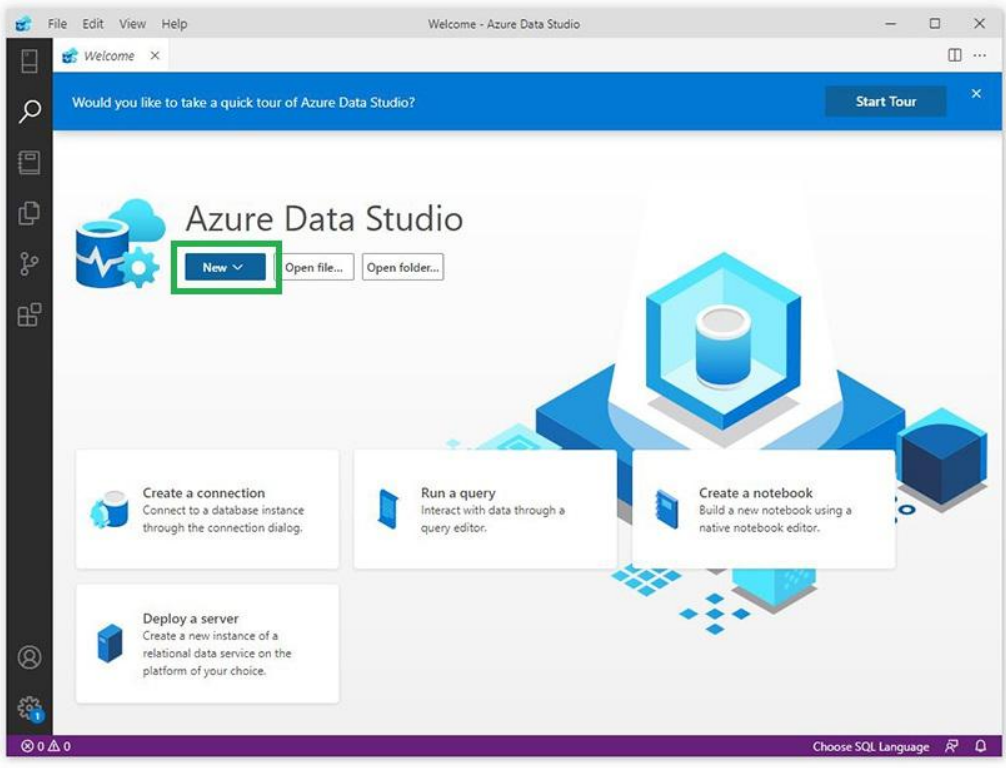


Once we have setup our Azure Data Studio and SQL Server, we can go ahead.

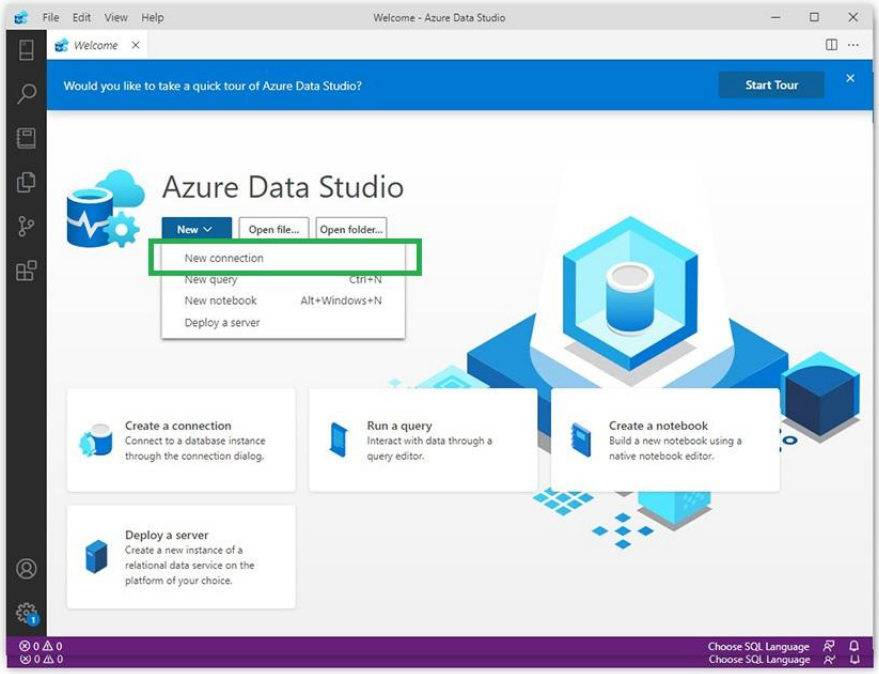
Step-1 : Open Azure Data Studio. We'll be taken to Welcome Page like the following.



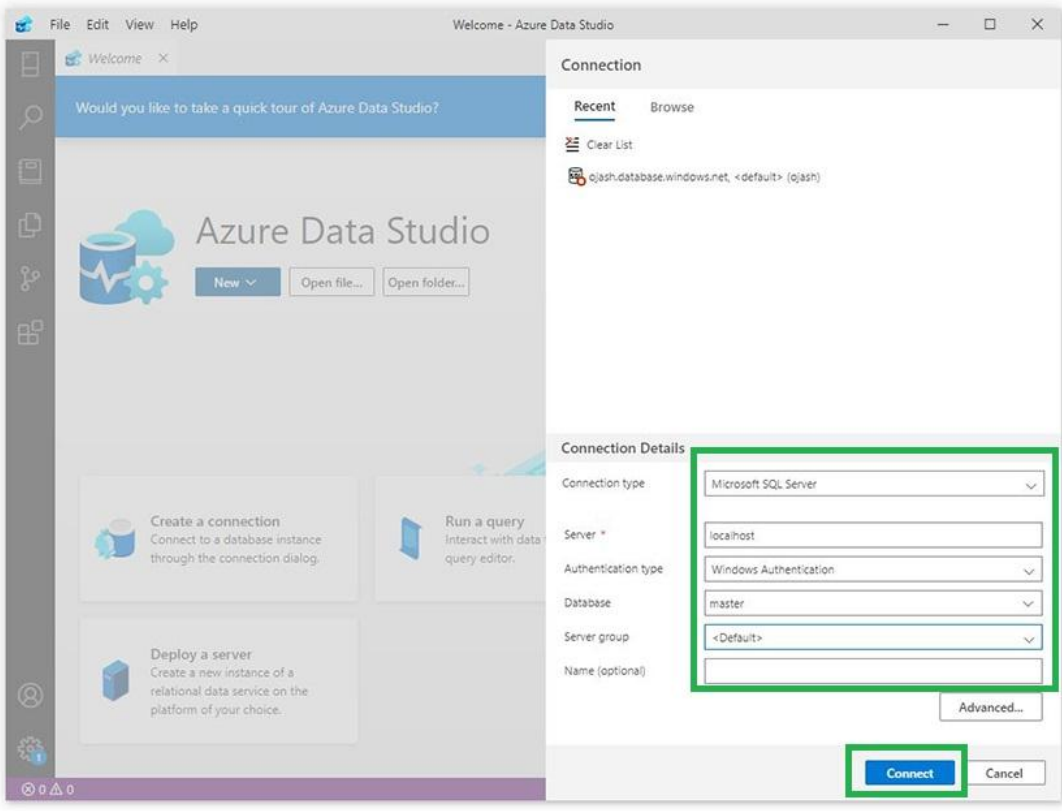
Click on New.



Step-2 : Select New Connection under New button. A connection page will pop up.

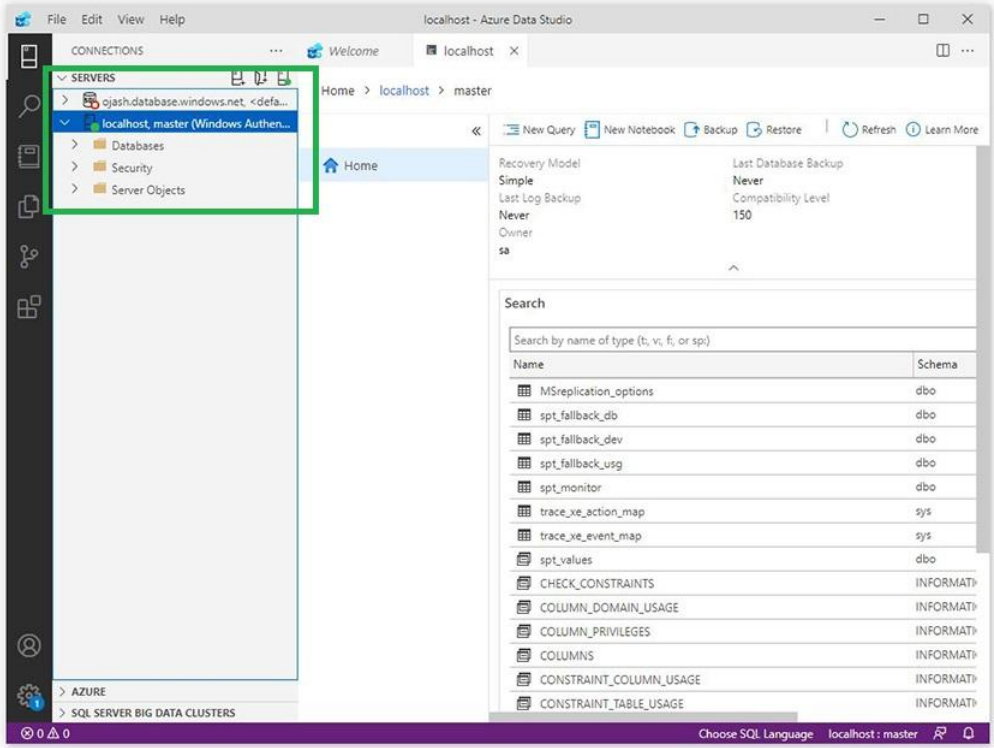


Step-3 : Fill in the details for the connection with Connection Type as **Microsoft SQL Server**, Server as **localhost** and Database as **master**. Put in username and password as you have setup if asked.

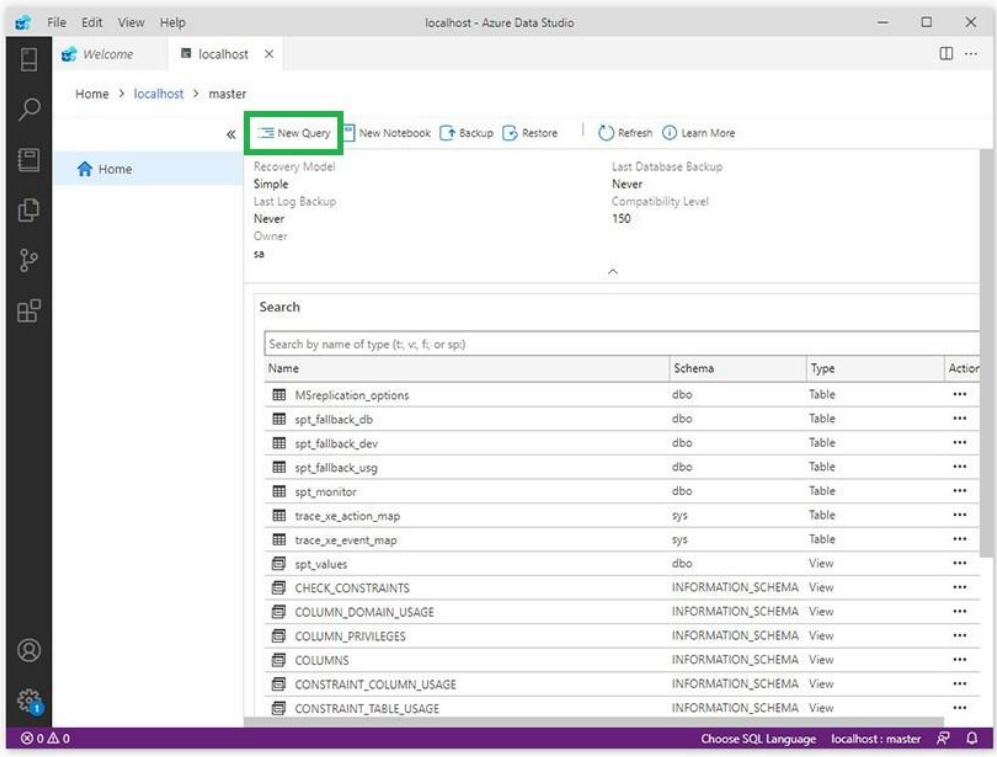


Once these details are filled in, click on Connect.

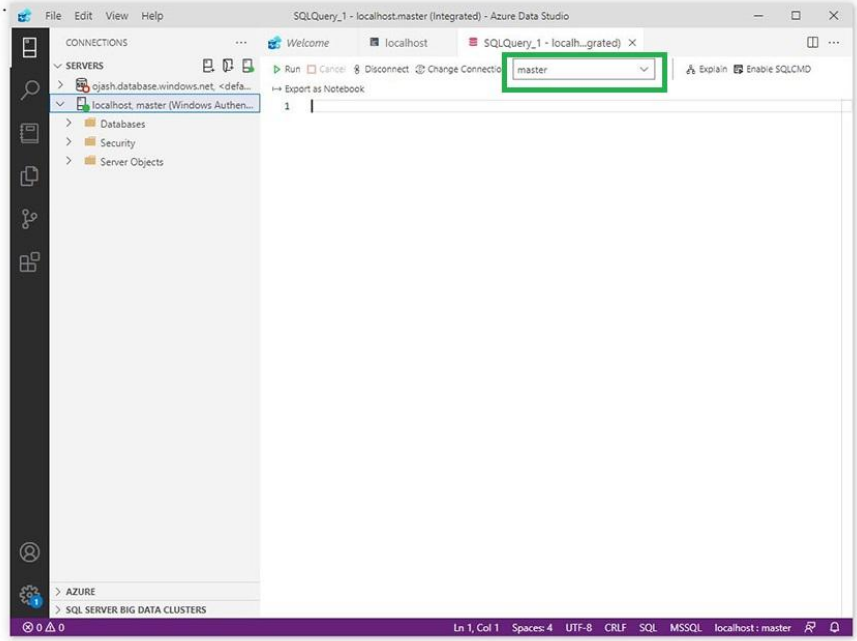
Step-4 : Now, the SQL Server 2019 is connected to our Azure Data Studio. We can see at the top, the master database from the localhost server.



Now, Click on New Query.

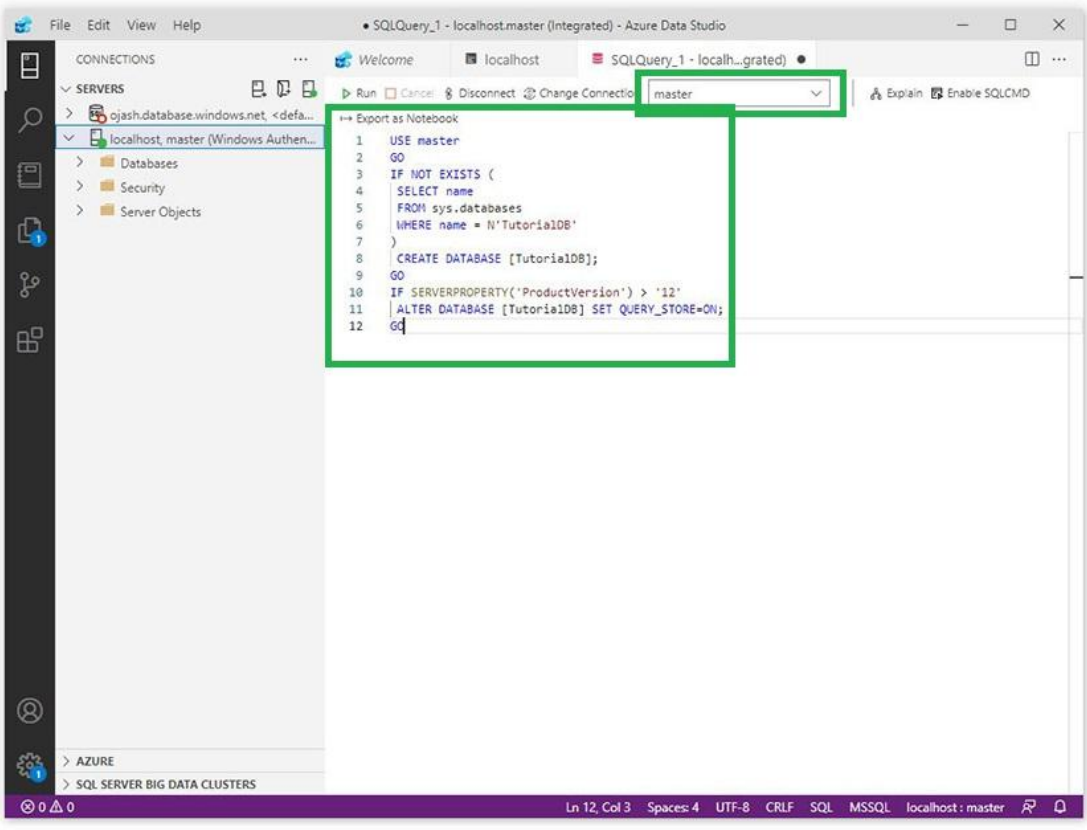


Step-5 :A New SQL Query page has now been opened. We can type in our query here.

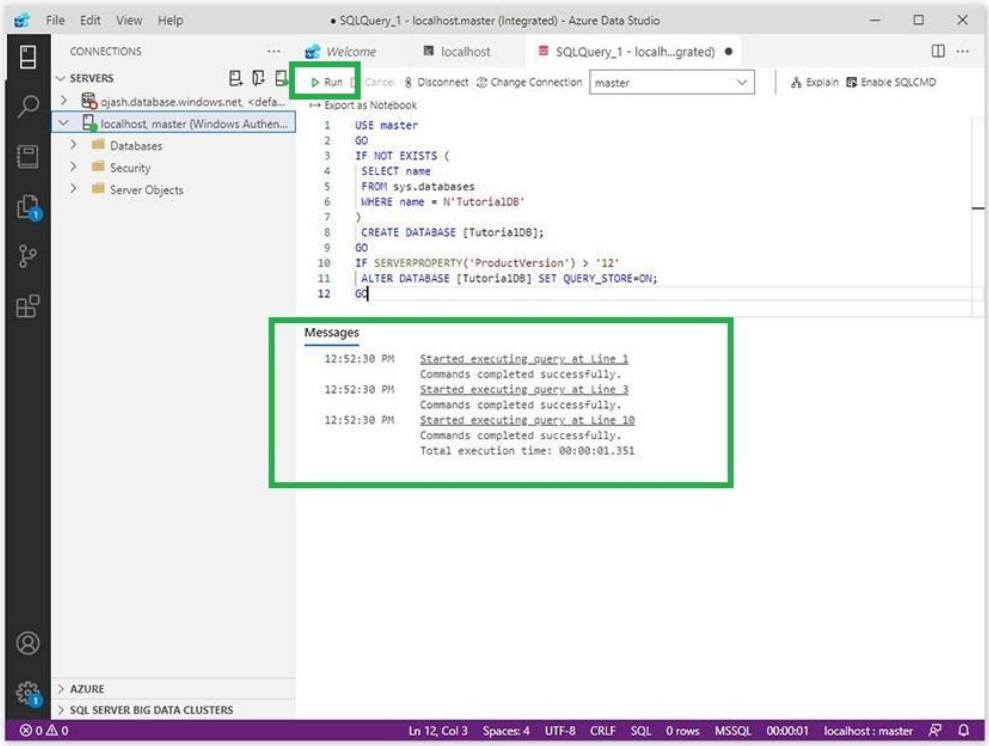


Creating Database

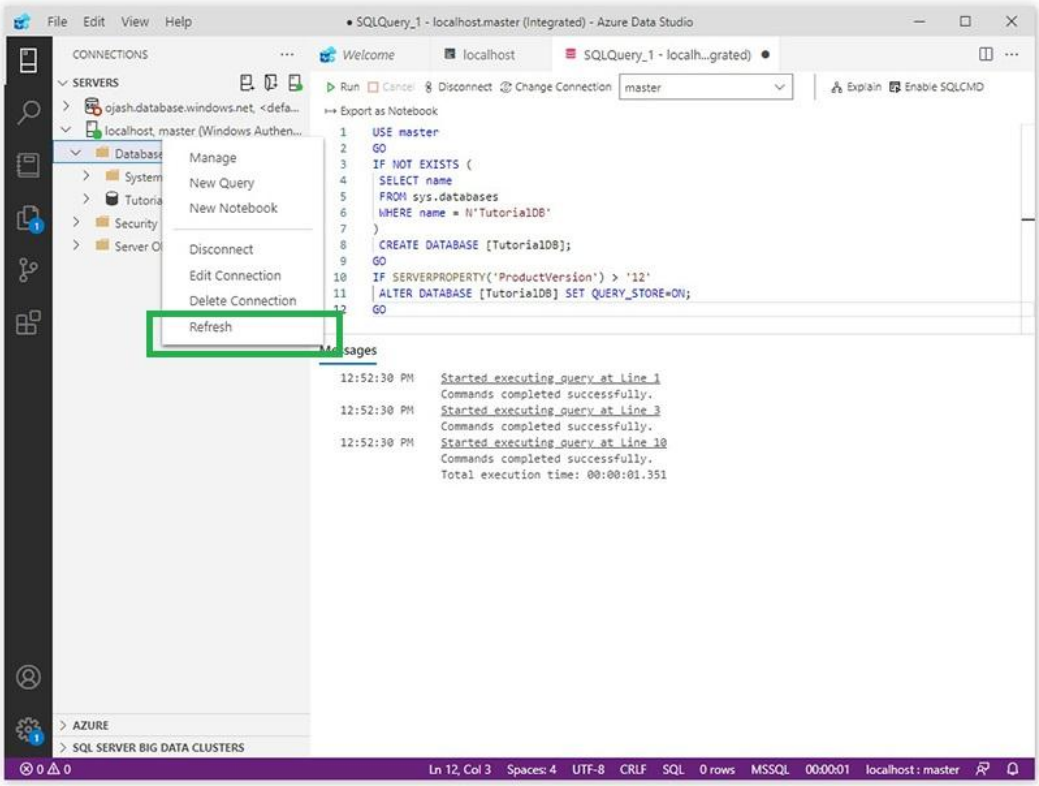
Step-6 : Here, we select the master database and under it, with the following SQL code in the Query Editor, we create a new database TutorialDB.



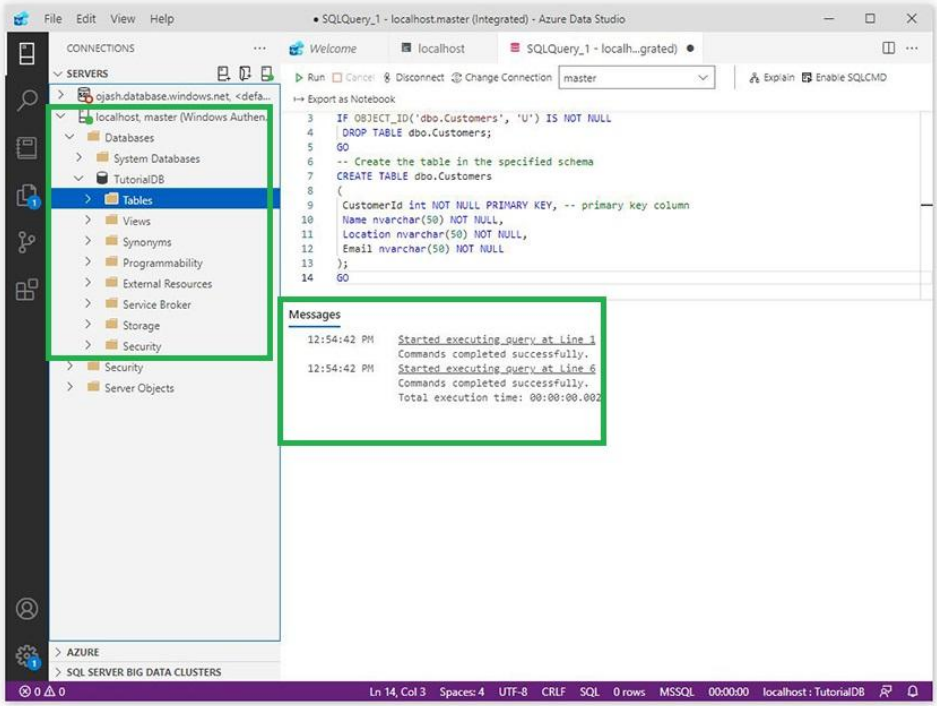
Click on Run to Execute the Code.



Step-7 : Right click on localhost server and click on Refresh to see the update in Database.

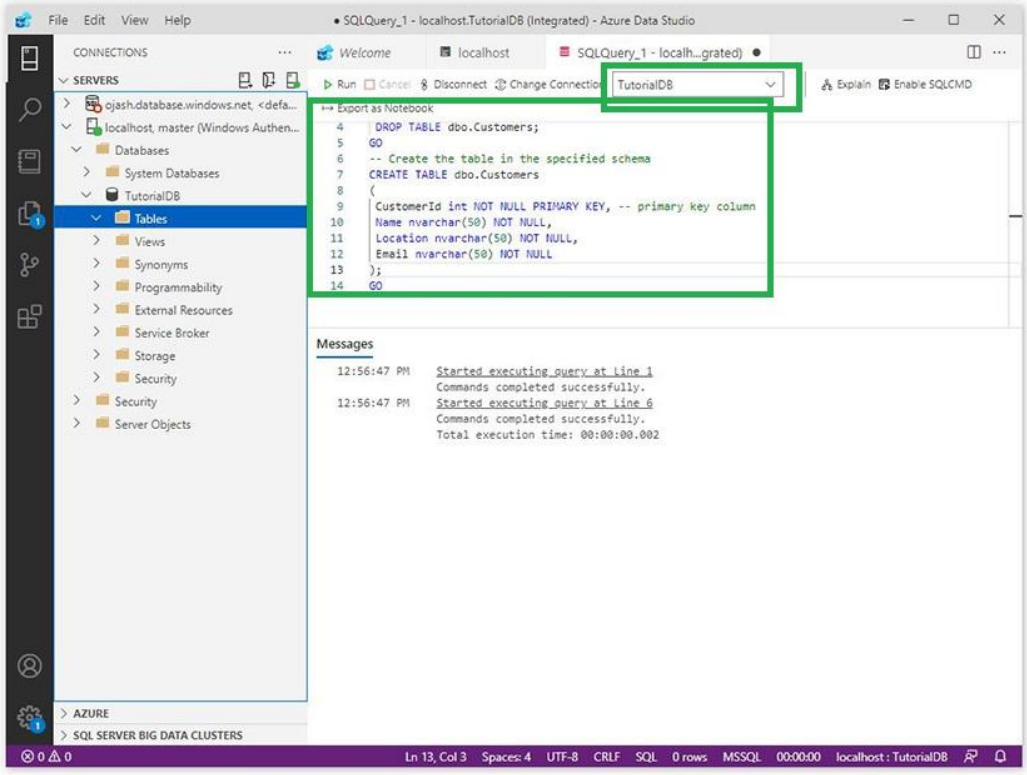


We can see, a new database TutorialDB has now been created successfully. All the executed queries are also updated in the message section.

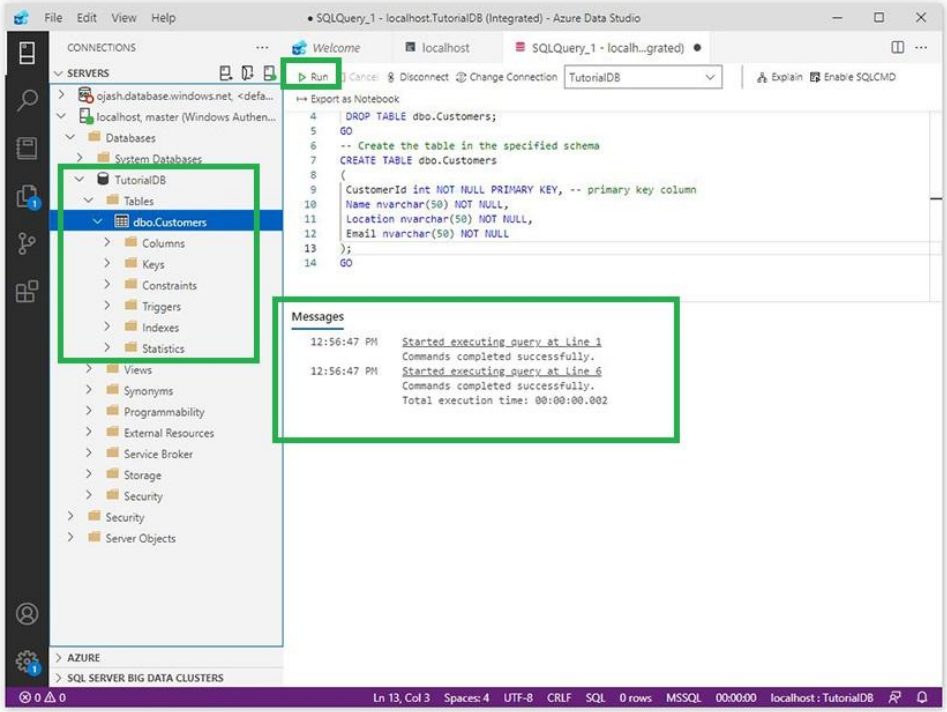


Creating Table

Step-8 :First of all, change the database setting to TutorialDB.



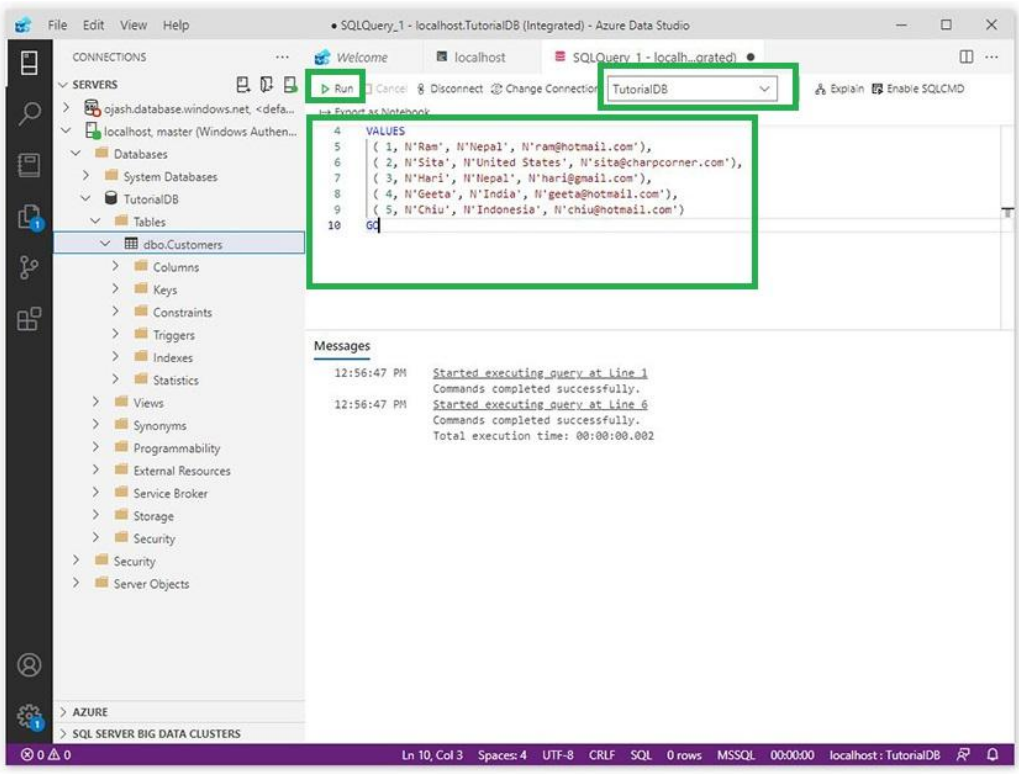
Now, with the following code, we create a new Table named Customers with the Columns CustomerId, Name, Location, Email with the CustomerId set as the Primary Key.



Now, we can see, the table has now been created.

Inserting Row in Table

Step-9 :With the following code, we add in values such as Ram, Nepal and so on to the respective columns of CustomerId, Name, Location and Email.



Displaying Data in Table

Step-10 : With the following code, we select the rows from the table and them view the data.

We can see, all the data we inputted priorly with names, location and email of 5 different Customers.