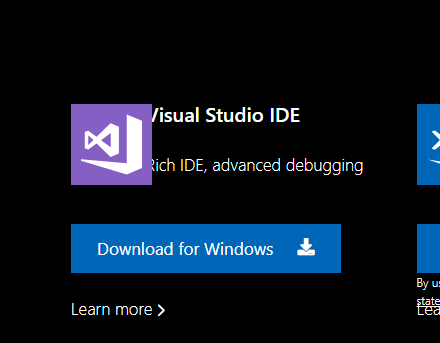
The way to create the local version of the database

By Steve

# GET C++ LIBRARIES

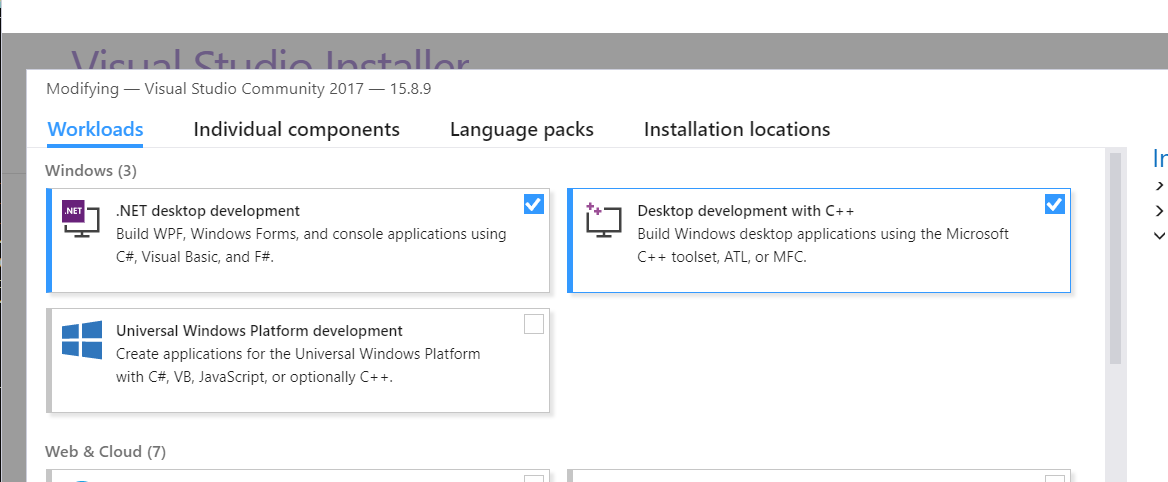
Google: Microsoft Visual Studios Community 2017.

<https://visualstudio.microsoft.com/>



In the installer: WITH the C++ package. (needed for SQL Server)

So, your visual studio installer should have these packages selected:



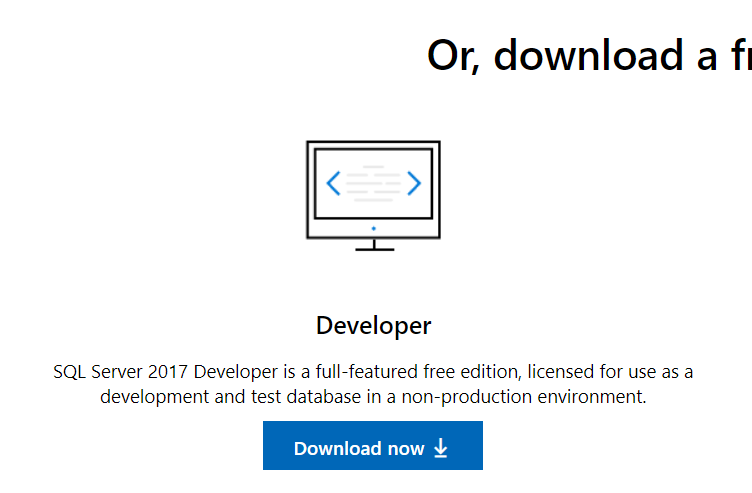
INSTALL MSVS COMMUNITY 2017.

DONE.

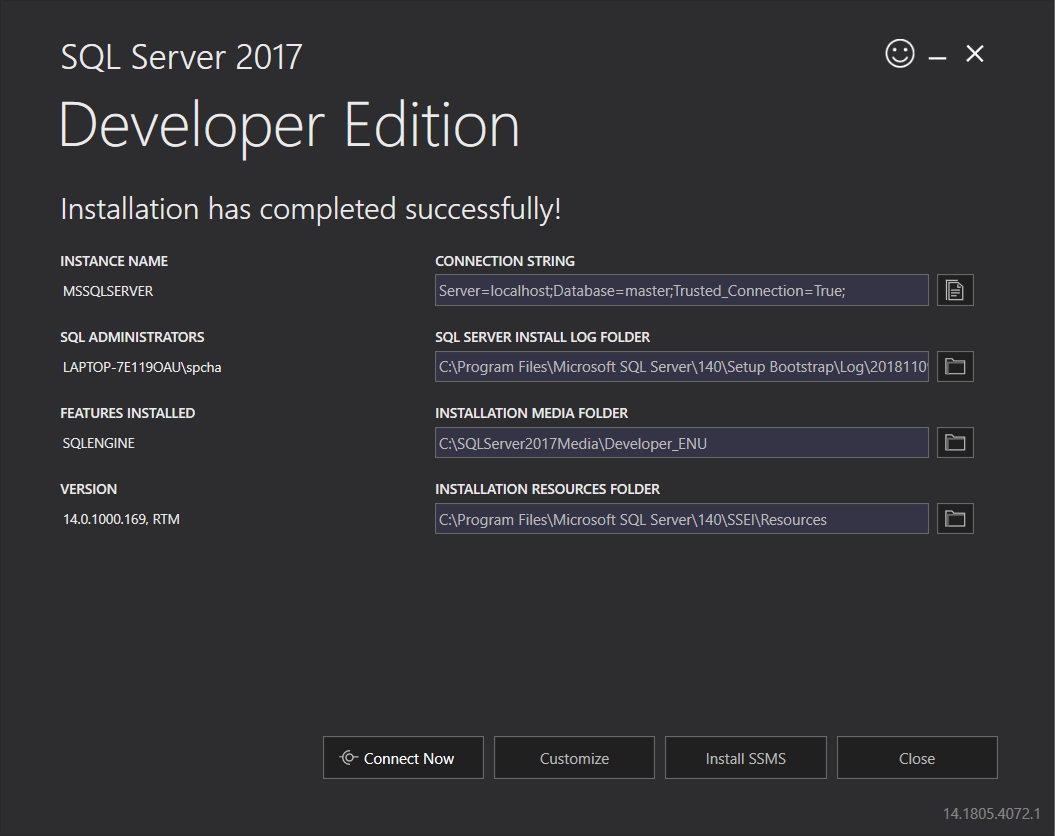
# GET SQL SERVER

1. Google: “SQL server”

https://www.microsoft.com/en-ca/sql-server/sql-server-downloads

1. Scroll down to free developer version. 
2. Install it. Select BASIC install when prompted. DO NOT CHOOSE CUSTOM.

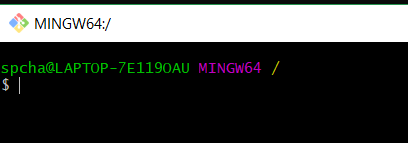
Save this picture for future reference:



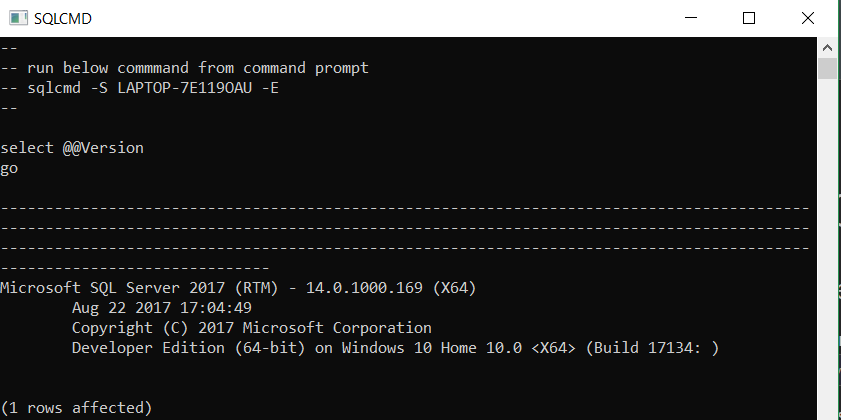
1. CLICK CONNECT NOW. It will run the following command from command prompt to start the SQL server:

>> sqlcmd -S <your computer name> -E

NOTE: If you want to know your computer name, its in gitbash:



NOTE: SO, mine is: sqlcmd -S LAPTOP-7E1190AU -E



Type: “SELECT @@Version

GO”

to test if it installed and works.

# GET MSSQLSMS

Google: “microsoft sql server management studio” Or click that install SSMS button from SQL Server in above picture.

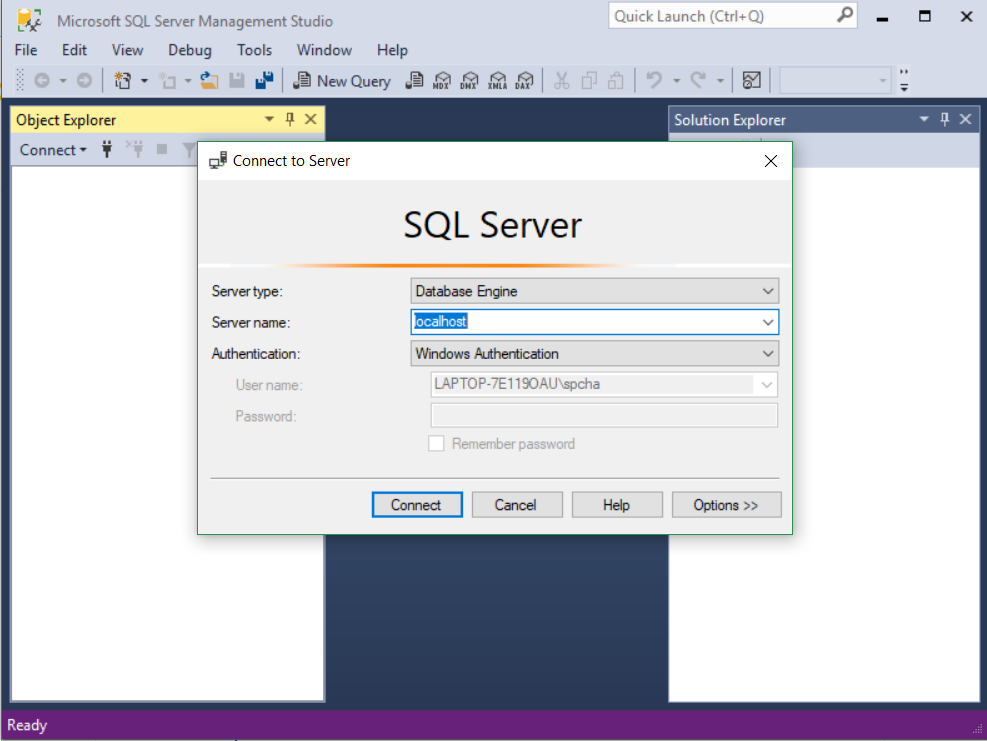
<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017>

Install it (version 17.9)

Once installed: Find it by pressing window key >> Microsoft SQL Server TOOLS 17 >> Microsoft SQL Server Management Studio

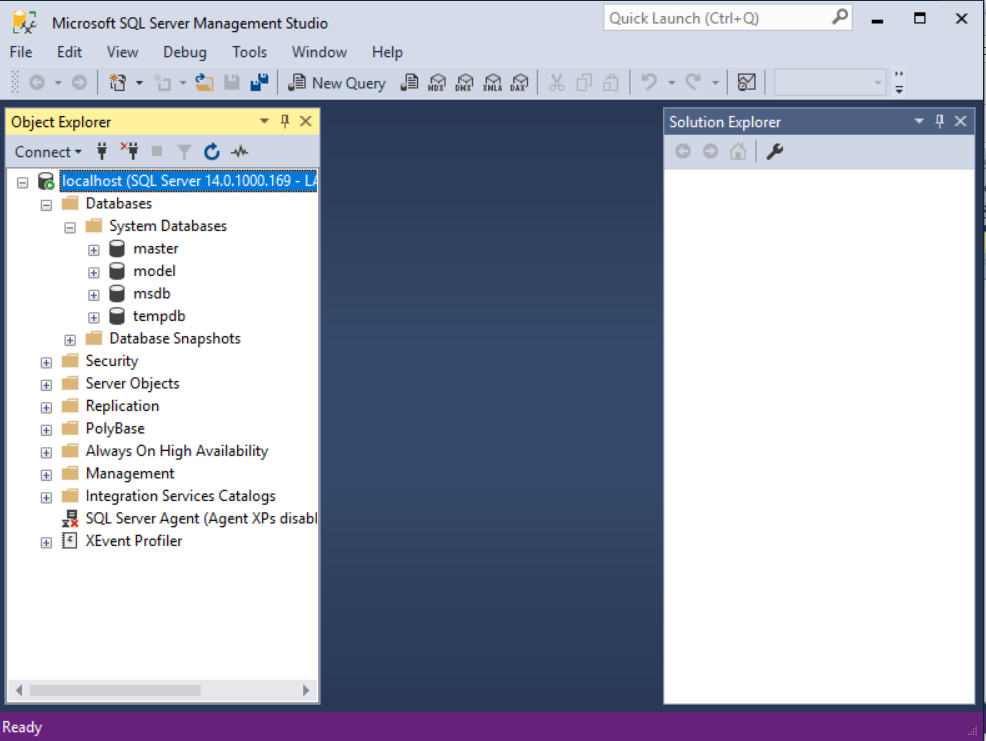
PIN THAT ICON TO YOUR STARTBAR OR TASKBAR

Run it.



Enter the server is your localhost as in the picture above.

Should see your default databases:



NOW NEED TO IMPORT THE DATA.

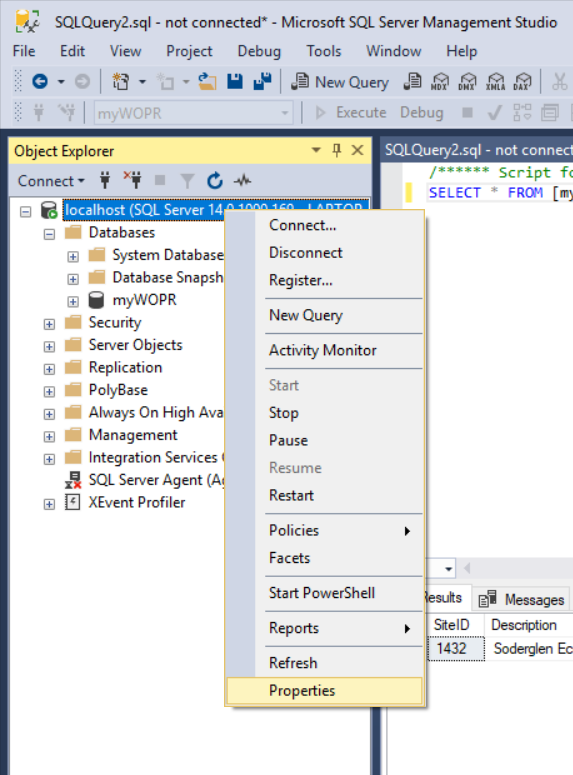
|  |  |
| --- | --- |
| METHOD 1: IMPORT EXCEL FILE  This method is deleted. Do not input the excel files directly. | METHOD 2: RUN SQL (RECOMMENDED)  In the WOPR folder of the github repo there is a DATABASE folder. Inside the folder there is a SCHEMA folder and a DATA folder.  In MSSQLSMS Click the “New Query” button.   * Input the SQL script: WOPR.SQL * Input the script DATA.SQL   DONE |

INSTALL ODBC 17:

<https://www.microsoft.com/en-pk/download/details.aspx?id=56567>

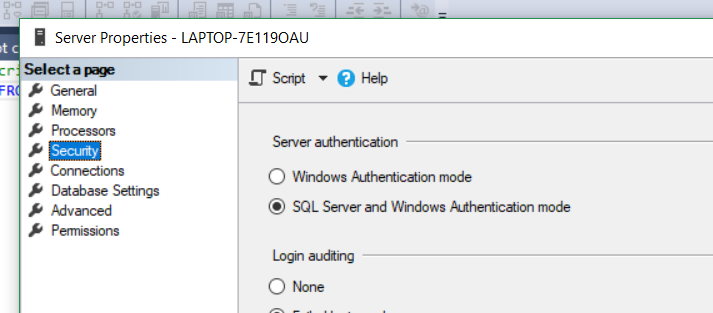
get the 64 bit one.

Set SQL server to accept sql users:



Right click the server and select properties.

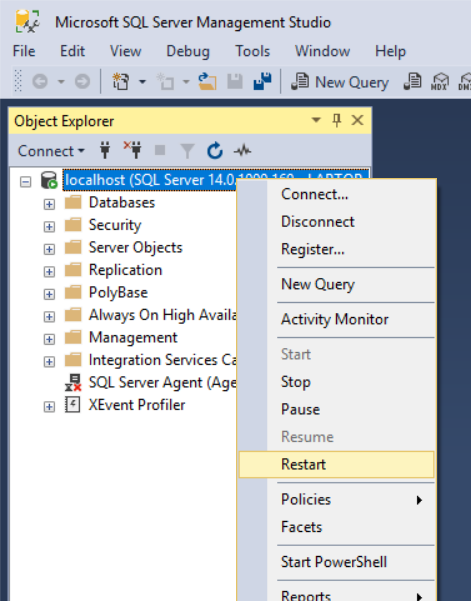
Then in the security tab:



Select SQL Server and Windows Authentication Mode.

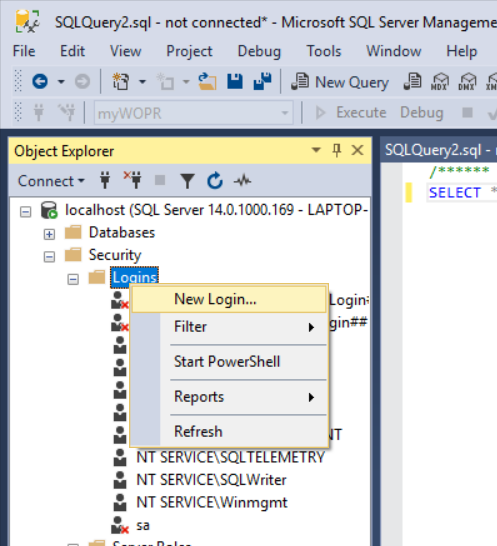
Press OK

Now you will need to restart the server by right clicking it and selecting restart.



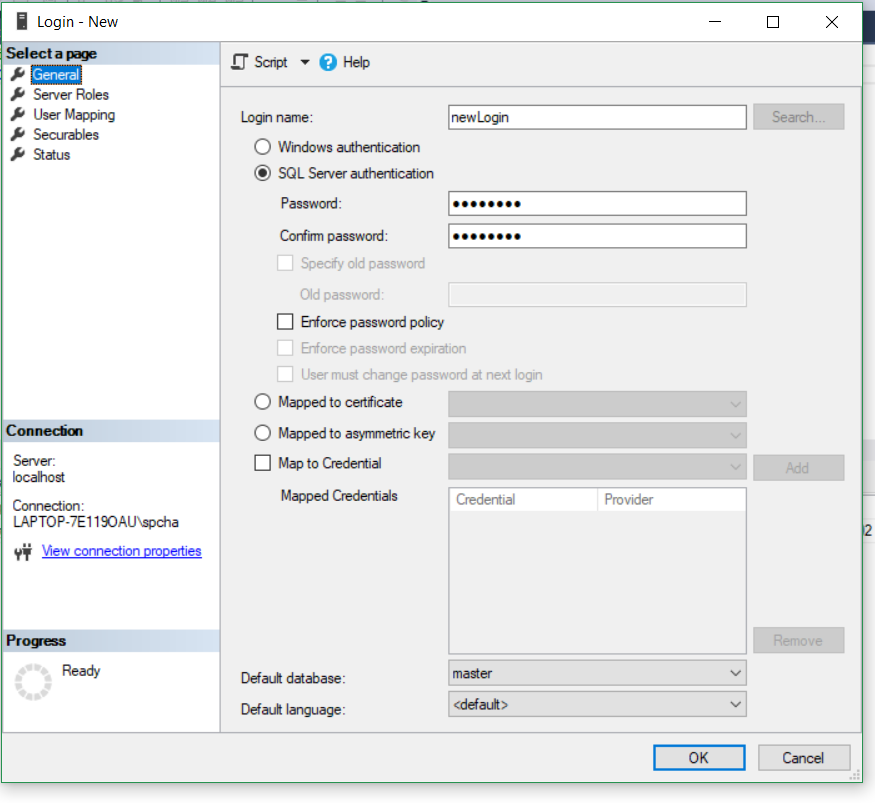
Make new login and user

Open Security and right click and select new login:

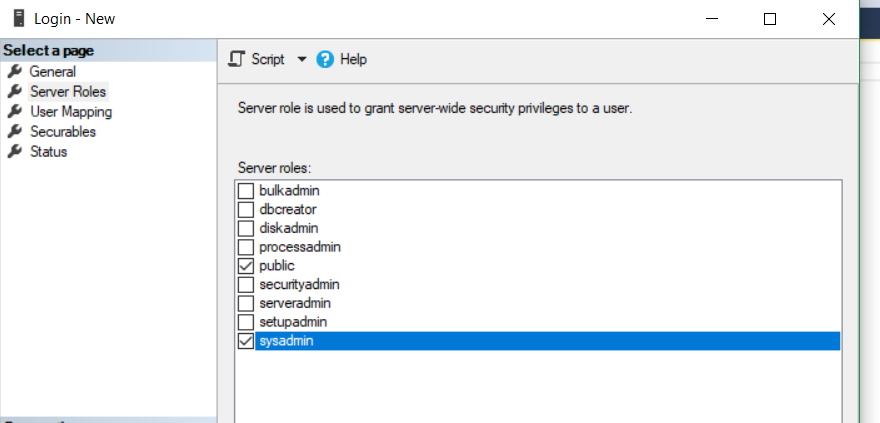


Then do the following:

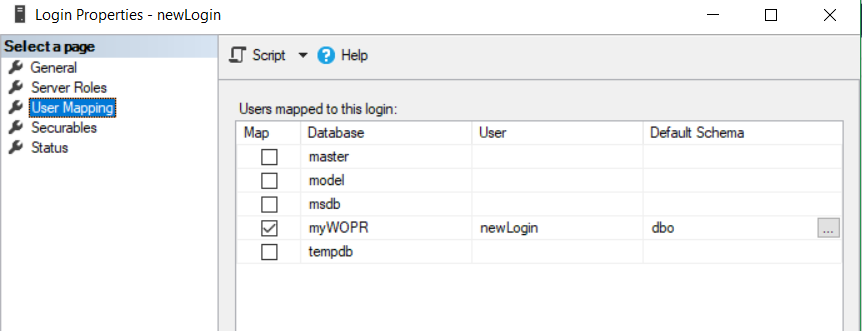
Make new login and password: (don’t change anything else)



In server roles tab check sysadmin:



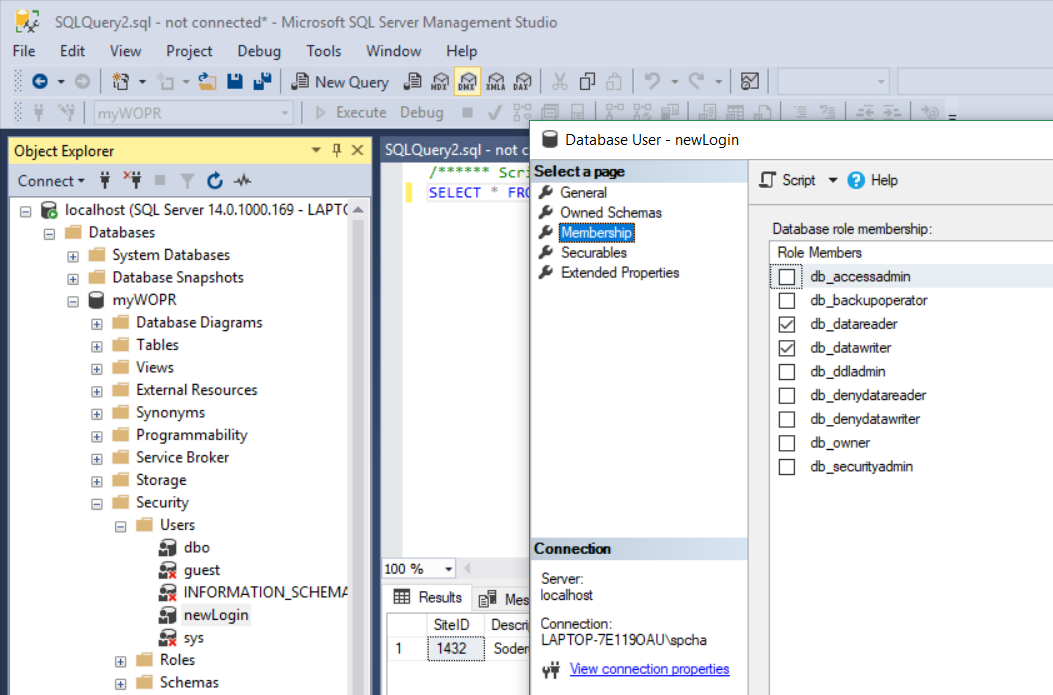
Give access to WOPR in user mapping:



Press OK

GO INTO DATABASES >> WOPR >> Security >> Users

And give that user read and write privileges to WOPR



Press OK

DONE

Now run the script SimpleConnect.py

import pyodbc

conString = "DRIVER={ODBC Driver 17 for SQL Server};SERVER=localhost;DATABASE=WOPR;UID=newLogin;PWD=P4s$w0rD$"

conx = pyodbc.connect(conString)

cursor = conx.cursor()

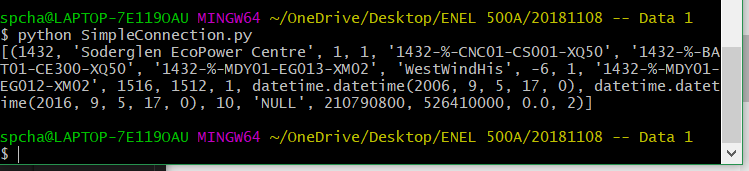
sql= "SELECT \* FROM [WOPR].[dbo].[t\_sites]"

cursor.execute(sql)

dbout = cursor.fetchall()

print(dbout)

You should see the output from the table 😊



DONE