

CONNECTION TO MICROSOFT SQL SERVER DATABASE

Step 1: go into your Microsoft SQL Server Studio. Copy "Server Name", "Username" as it appears from your SQL Server pop up window



Step 2: Open your JupyerNote, open a new file, Copy the code below and past it and save the file. Maybe as: DB_read_MSSM.

Step 3: install the following dependencies:

#!pip install pyodbc

#!pip install sqlalchemy

Step 4: Change the server name. this was part of your credentials – you should already know it!

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Import pondsc
Import pandas as pd
from sqlalchemy import create_engine
# Step 1: Connect using Windows Authoritation
connection_string = for sql Server));

ENEMER-(server)
# Step 2: Show all non-system discobases
cursor = connection.cursor()
# Step 2: Show all non-system discobases
dutabases = [row[0] for row in cursor.feechall()]
print("Outabases.")
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# Step 2: Show all non-system discobases
dutabases = [row[0] for row in cursor.feechall()]
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# Recovered to discobases(de choice)
print("Friblishing databases(selected_db)")

# Recovered to selected dB
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DRIVER-(GOBC Driver 17 for SQL Server));
# Step 3: List tooles
cursor = connection.cursor()
# Step 4: Lond toole discobase | Connection | C
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Step 5: run it. you should connect to your MS SQL server and if it has worked, it will show you the list of all the Databases you have access to. You will be prompted to select any of the database. Enter the number for the preferred database.

It will then show you a list of all the tables from the selected database. Awesome!

```
Dotabases:
1. SalesOutabase
2. Heart
3. PACKT_ONLINE_SIDP
4. Landoniote1
5. TimeSeriesOuta
6. Abukar
7. Qiist_DB
9. MyDatabase
10. SalesDB
11. AdventureWorksDM2822

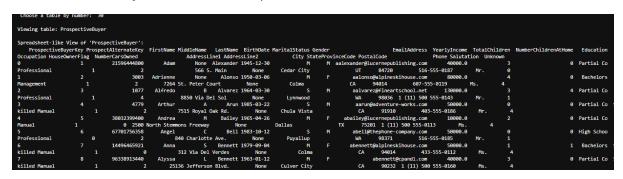
Choose a database by number: 11

Using database: AdventureWorksDM2822

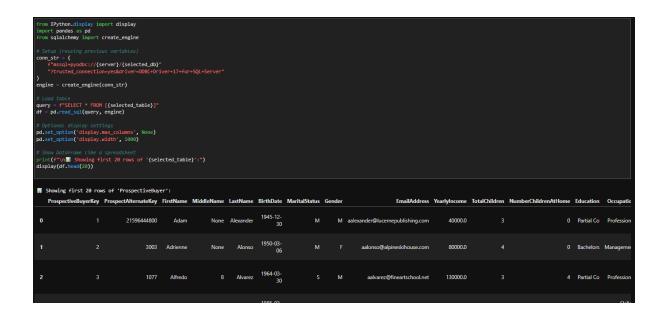
Tables:
1. DatabaseLog
2. AdventureWorksDM2822

Tables:
1. DatabaseLog
2. AdventureWorksDM28020
7. DimCustomer
6. DimOute
7. DimCustomer
6. DimOute
7. DimCustomer
6. DimOute
7. DimCustomer
8. DimCustomer
9. DimCustomer
10. DimCustomer
11. DimProduct
12. DimProductCategory
13. DimProductCategory
14. DimProductSubcategory
14. DimProductSubcategory
15. DimProductSubcategory
16. DimSecolary DimSecolary
17. DimProductSubcategory
18. DimSecolary
19. DimSecolary
19. DimSecolary
19. DimSecolary
19. DimProductSubcategory
19. DimSecolary
19. PactAdditionalInternationalProductDescription
29. FactClinencyRate
21. FactCurrencyRate
22. FactCurrencyRate
23. FactCurrencyRate
24. FactCurrencyRate
25. FactProductInventory
26. FactBesclierSales
27. FactSalesQuota
28. FactSurveyResponse
29. MediactCurrencyHoper
20. FactSalesQuota
29. FactSalesQuota
20. FactSalesQuota
20. FactSalesQuota
20. FactSalesQuota
21. FactSalesQuota
22. FactSalesQuota
23. FactSurveyResponse
24. MediactCurrencyHoper
25. PactSalesQuota
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27. FactSalesQuota
28. FactSurveyResponse
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23. Fa
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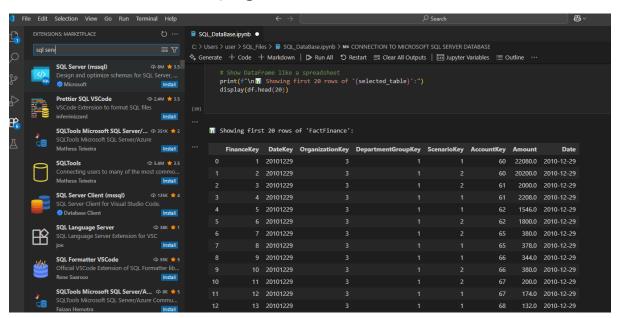
Select a table, and you will see the complete details of that table.



Step 5: now you can do your analysis. View the data in panda data frame, see the size of the data, very quickly. Run the following code in the next cell to see the following output.

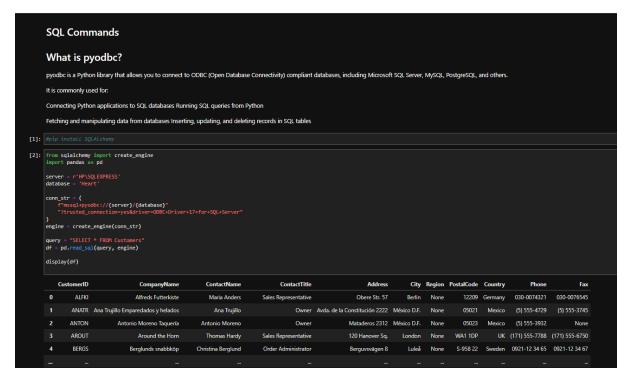


Step 5: if you prefer, you can open the same file in VSCODE and run it there as well. Check if you may need to install MS SQL Server or simply add. It did work for me, and it is possible I may have already installed this sometime ago. ©.



So, there you go have it. I really like running this from JupyeterNote book either on it is own or via VSCODE.

If you want to interact with the database quickly and write your SQL queries right away, you can also follow this simple code.



I think this is a quick and easy way to interact with a database and run SQL queries. it does not necessarily have to be MS SQL server, but other databases can be connected to via JupyetNote.

Simply download the code from the following link:

https://github.com/abukar10/MSSQLSERVER_JUPYETNOTE

Any comments, Feedback:

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