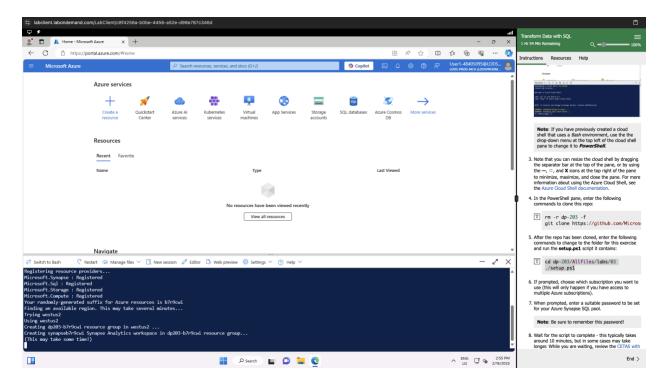
# Lab 3 Transform Data with SQL BUAN 6390.001 – Analytics Practicum

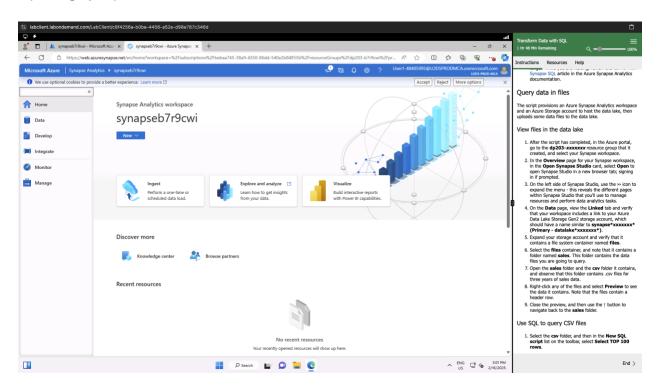
Name: Swastik Bhatnagar

NetID: sxb220210

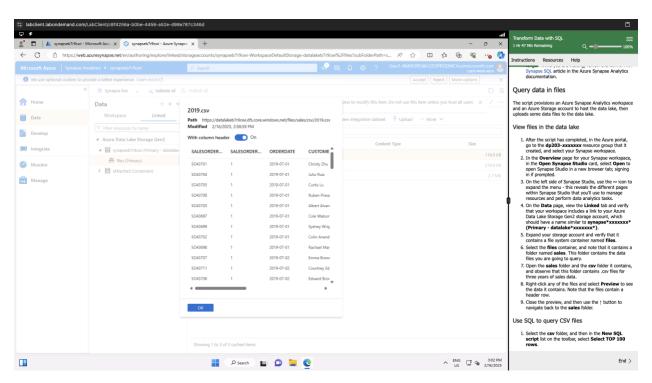
### Connecting to PowerShell:



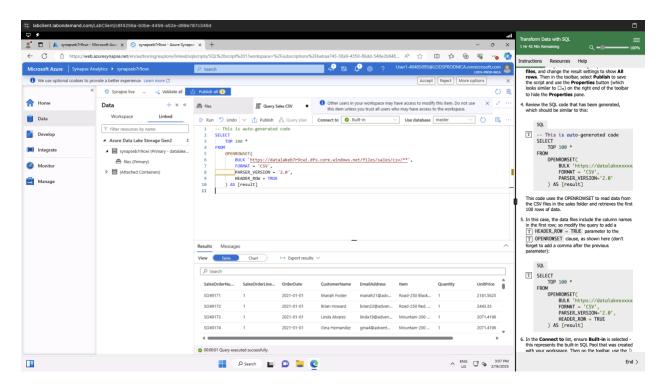
### Opening Synapse Studio:



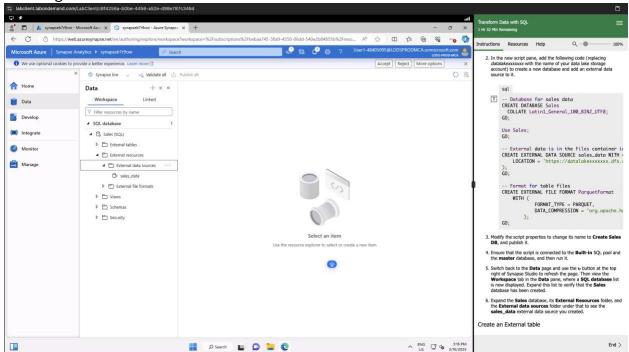
## Viewing the Data files:



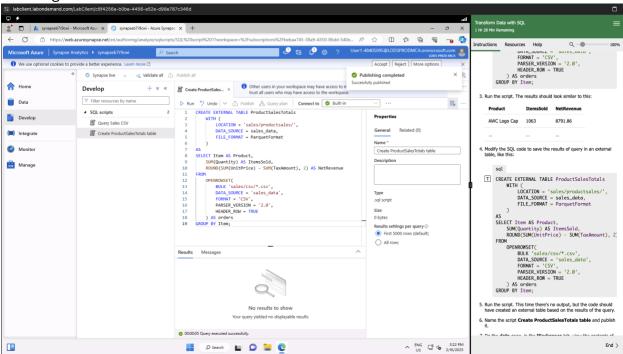
## Using SQL to query files:



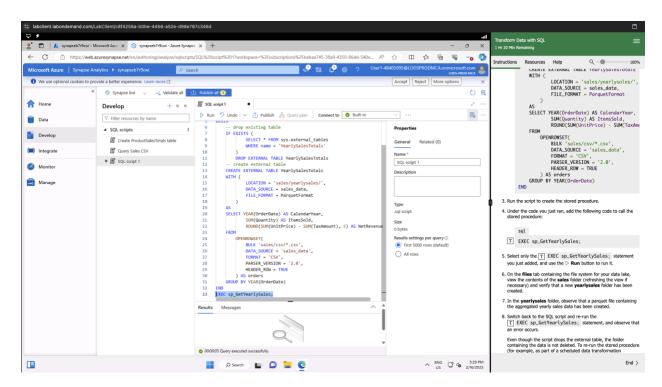
Creating external data source and file format:



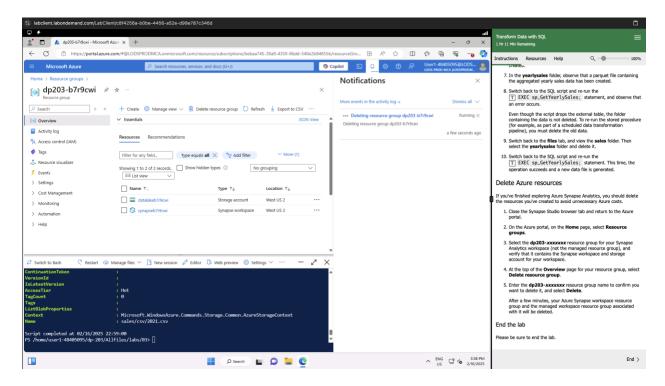
Creating an External Table:



Encapsulating data transformation in a stored procedure:



#### Deleting the Azure resources:



Conclusion: In this lab, I learned how to transform data using SQL in Azure Synapse. I connected to PowerShell, explored data files, and used SQL to query them efficiently. I also created an external data source, defined a file format, and built an external table to structure the data. Additionally, I encapsulated transformations within a stored procedure for better reusability. Finally, I practiced good resource management by deleting Azure resources. This lab strengthened my understanding of data transformation in a cloud environment.