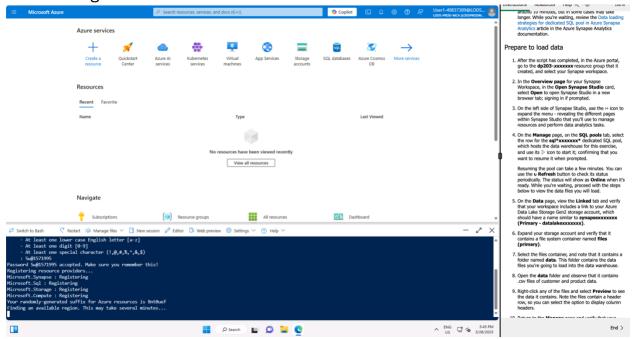
# Lab 9 Load Data Warehouse BUAN 6390.001 – Analytics Practicum

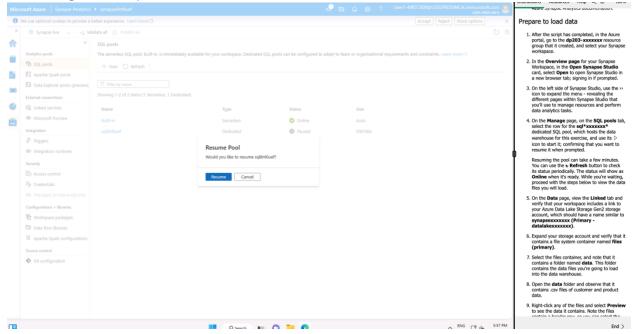
Name: Swastik Bhatnagar

Net ID: Sxb220210

Connecting to PowerShell:

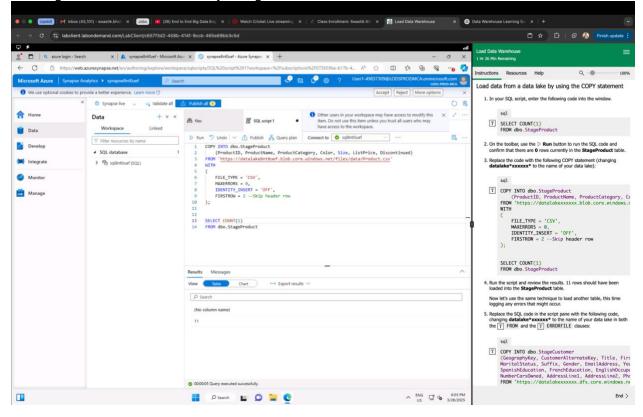


Resuming the SQL pool:

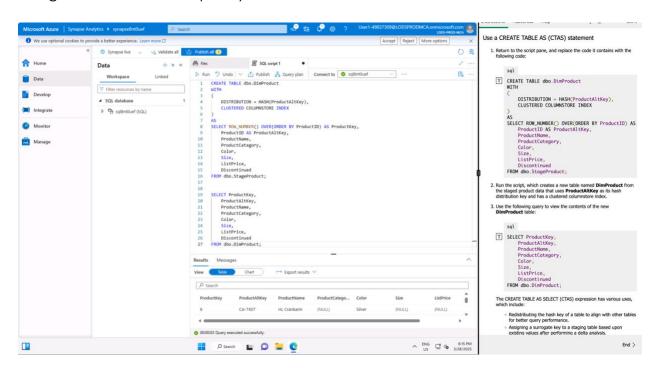


# Loading the Data warehouse table:

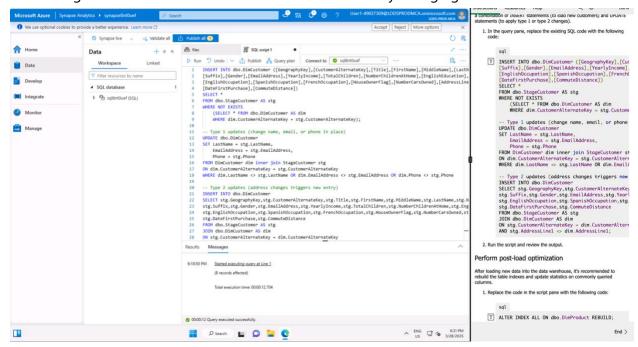
Loading data from a data lake by using the COPY statement:



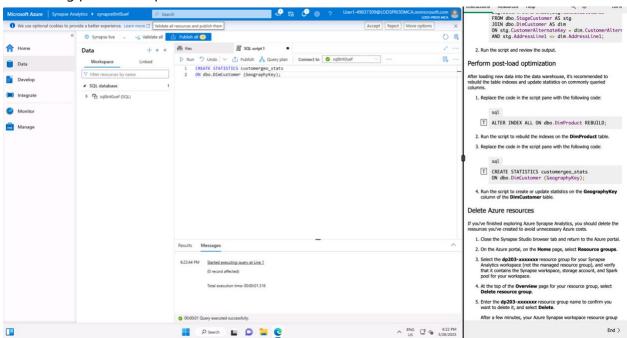
# Using a CREATE TABLE AS (CTAS) statement:



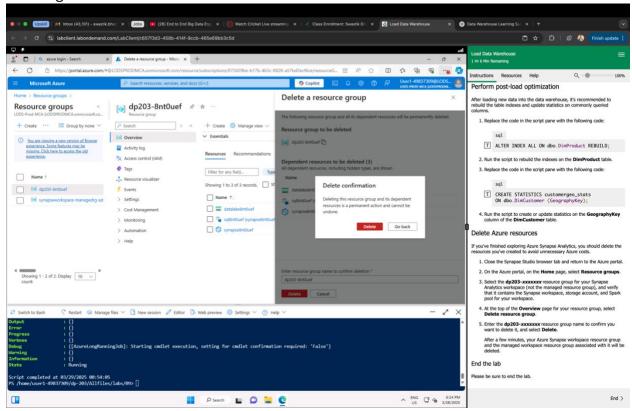
### Combining INSERT and UPDATE statements to load a slowly changing dimension table:



### Performing post-load optimization:



### Deleting Azure resources:



#### Conclusion:

In this lab, I learned how to resume SQL pools, load data from a data lake using the COPY statement, and utilize the CREATE TABLE AS (CTAS) statement for efficient table creation. Additionally, I practiced combining INSERT and UPDATE statements to handle slowly changing dimension tables and performed post-load optimization. This process enhanced my understanding of data loading techniques and best practices for maintaining data integrity and optimizing performance within a data warehouse environment.