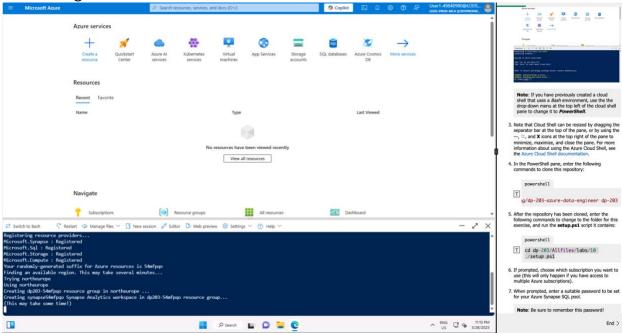
Lab 10 Synapse Pipeline BUAN 6390.001 – Analytics Practicum

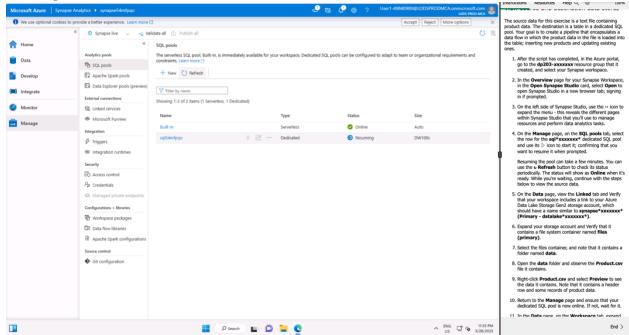
Name: Swastik Bhatnagar

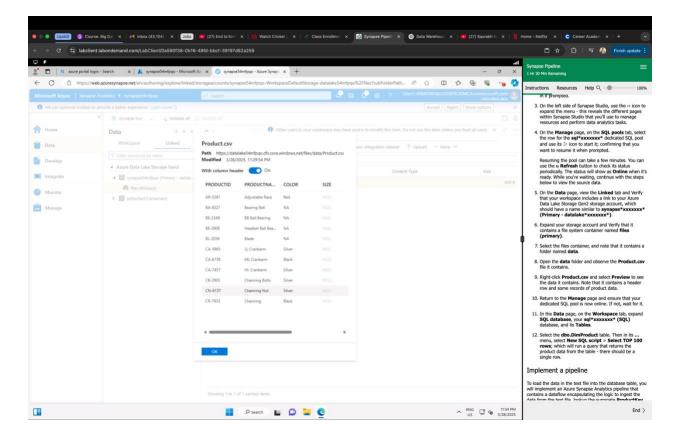
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Connecting to Powershell:



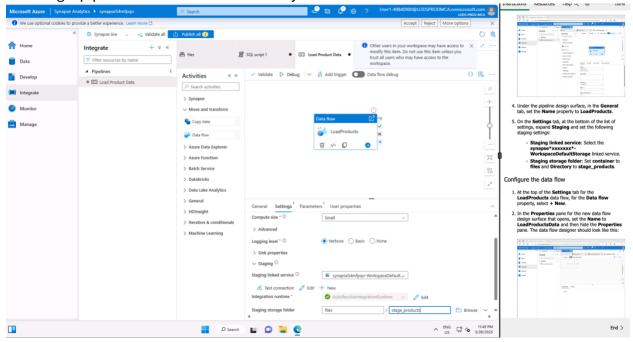
Viewing Source and Destination data stores:



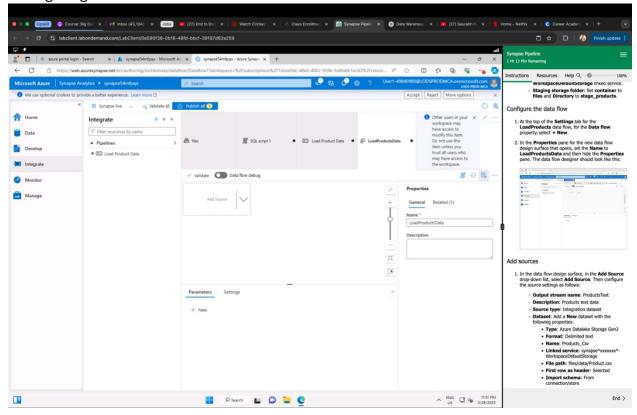


Implementing a Pipeline:

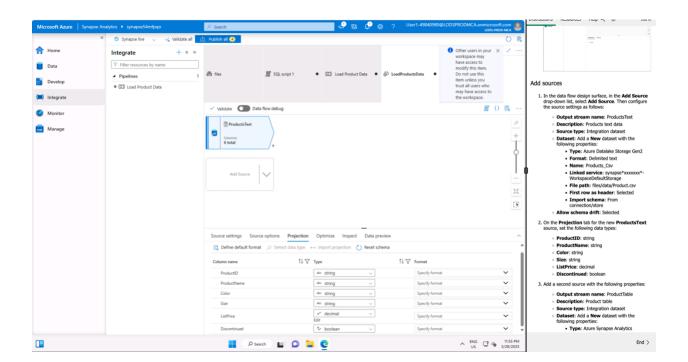
Creating a pipeline with a data flow activity:

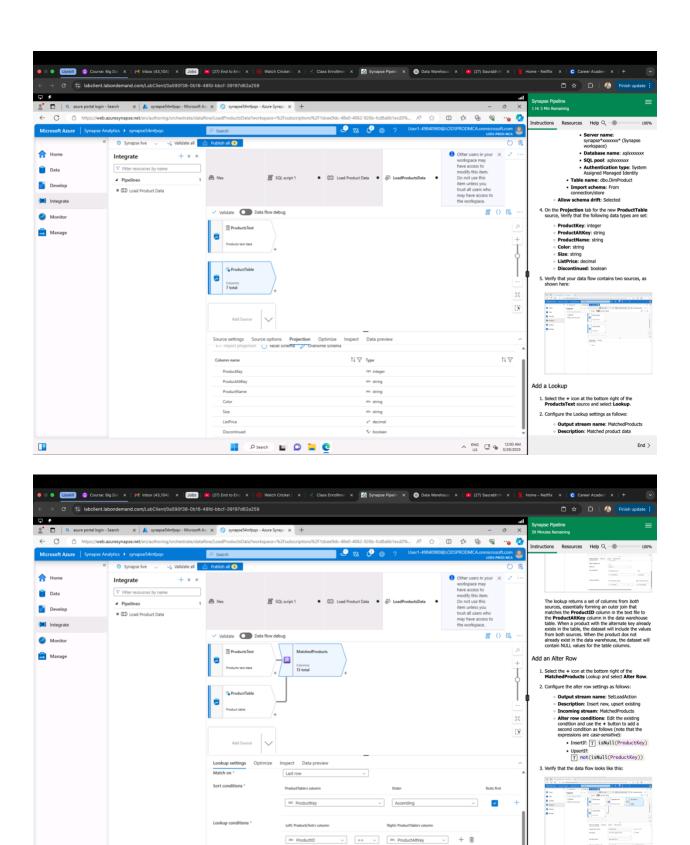


Configuring the data flow:



Now Adding Sources:

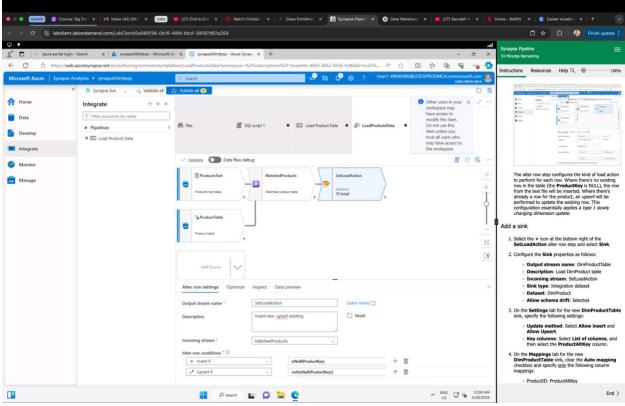




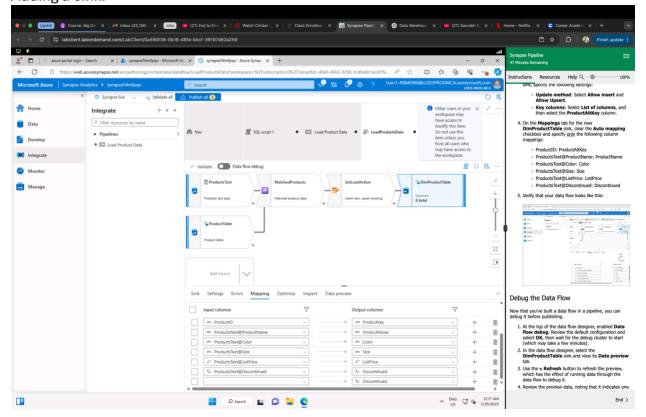
👭 🔎 Search 🖺 🔘 📜 🥲

^ ENG ☐ 6 12:05 AM US ☐ 6 3/29/2025 End >

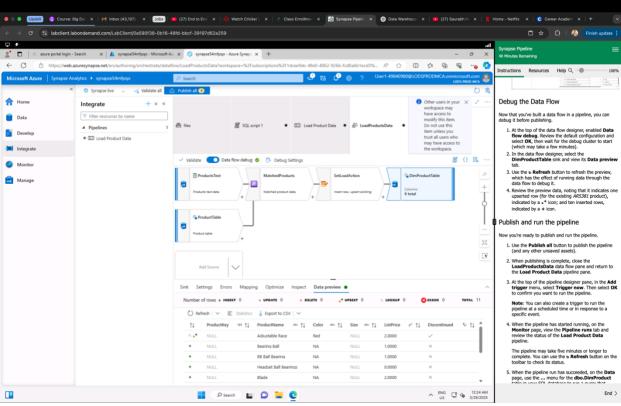
Now adding an Alter row:



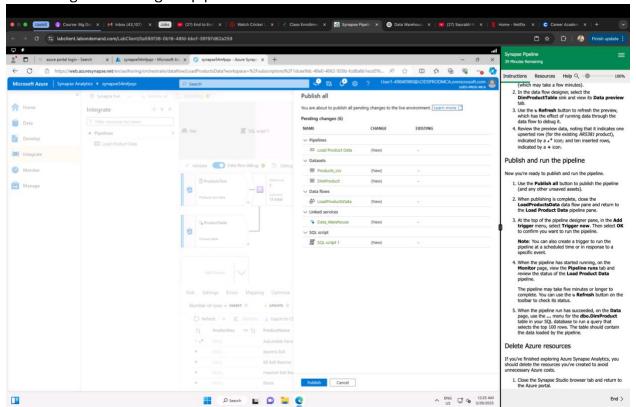
Adding a sink:

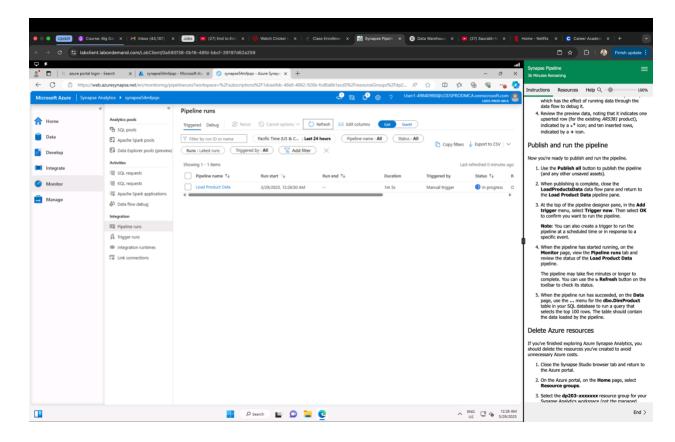


Debugging the data flow:

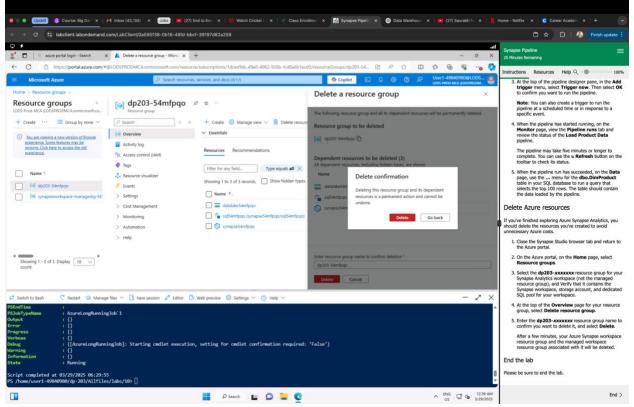


Publishing and running the pipeline:





Deleting the resources:



Conclusion:

This lab provided valuable experience in building and managing a Synapse Pipeline within Azure Synapse Analytics. I learned how to create and configure a pipeline with data flow activities, set up source and destination data stores, and apply transformations such as adding sources, altering rows, and defining sinks. Additionally, I gained practical skills in debugging, publishing, and executing pipelines to ensure seamless data integration. This exercise enhanced my understanding of orchestrating data workflows and optimizing data processing within a cloud-based environment.