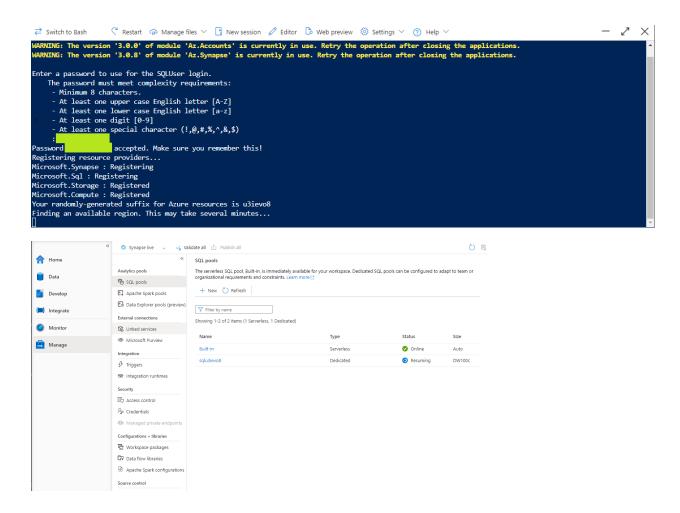
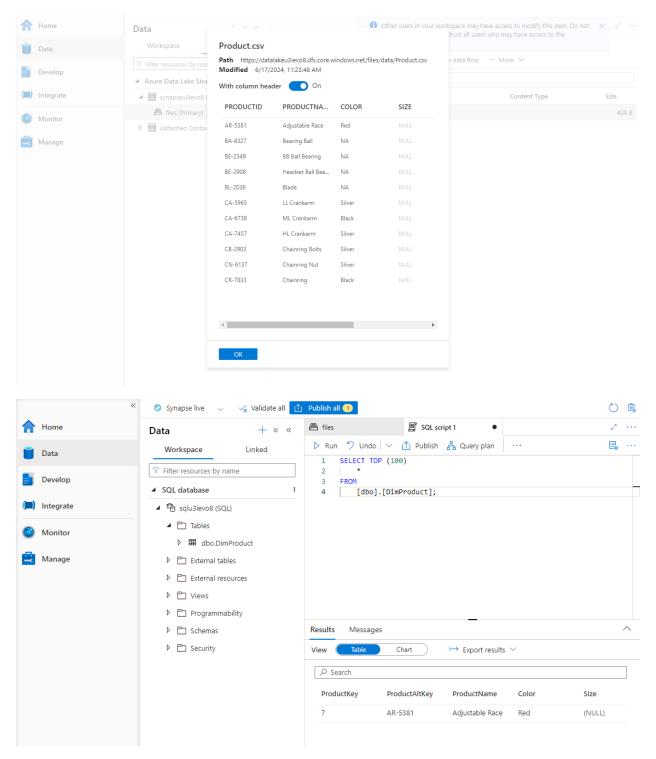
## **Azure Synapse Exercise and Discussion**

For this project, an example pipeline was built using some of the functionality provided in Azure Data Factory. This brief document highlights some of the results seen during implementation (a full outline of the steps taken is also available in this repository).

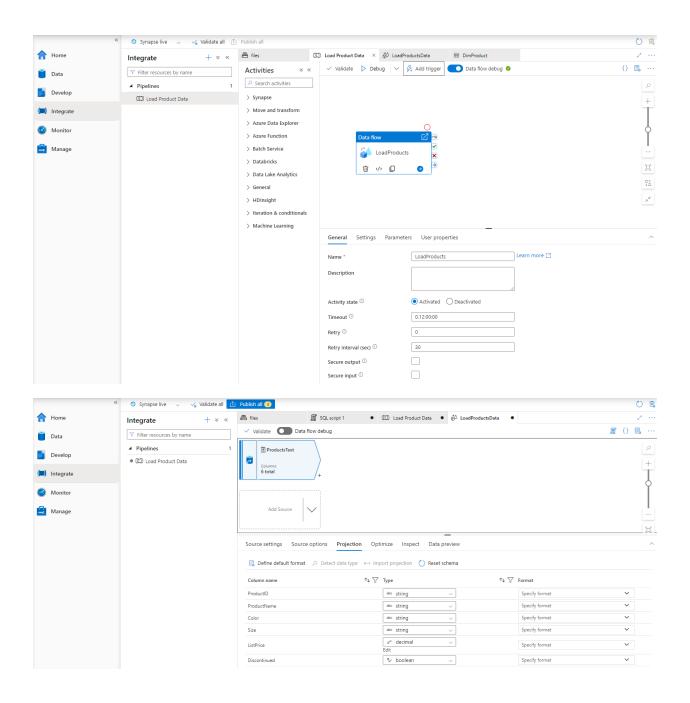
An Azure Synapse Analytics workspace was provisioned as outlined in the instructional material:



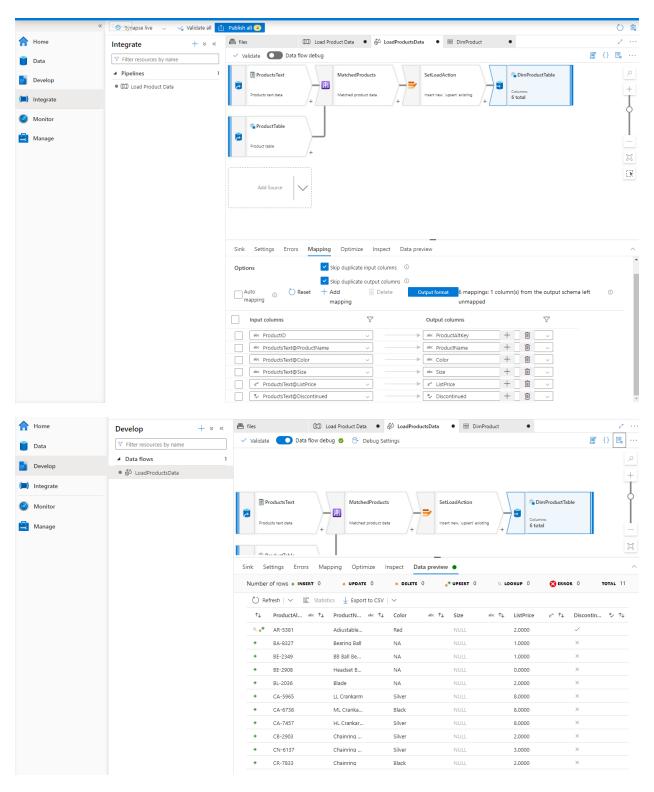
This process creates a sample flat file in .csv format along with a destination table with several matching columns:



A data flow and initial pipeline was then created. We begin by first establishing a node for the flat file to be ingested and verifying its data types:



We similarly add a node for the destination table, then merge the two datasets via an upsert job. The results are then landed in this destination table:



For this test, the pipeline is executed via a manual trigger, though this can be scheduled by other means. We can verify that the landing table has been updated with data from the flat file.

