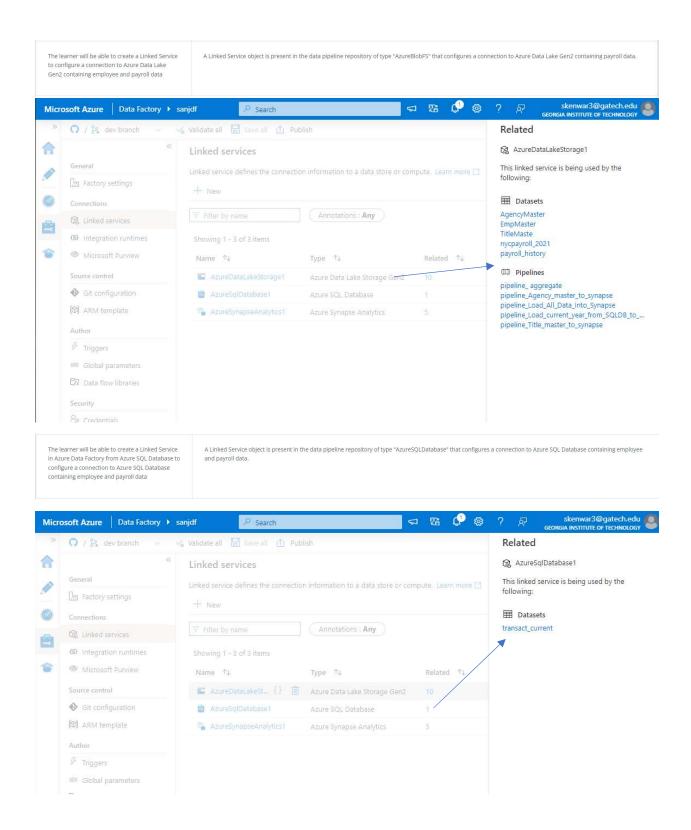
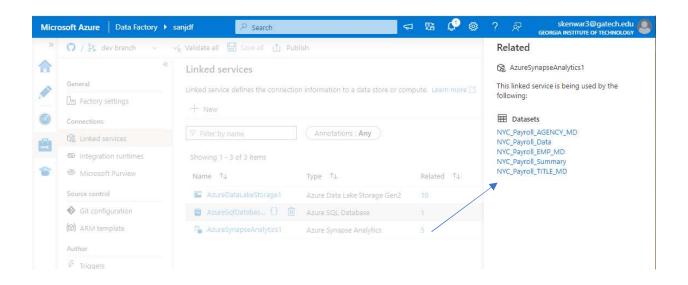
## Git location:

## https://github.com/singhsa3/azuredf/tree/dev



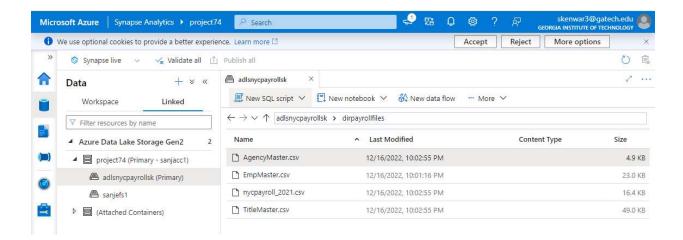
The learner will be able to create a Linked Service to configure a connection to Azure Synapse Analytics

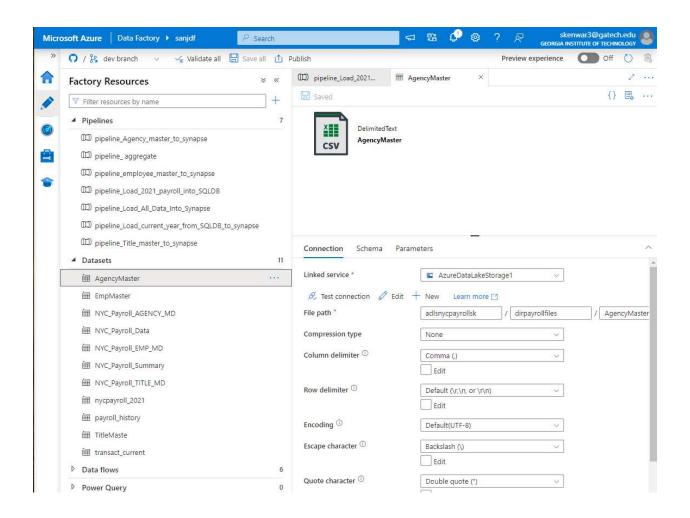
A Linked Service object is present in the data pipeline repository of type "AzureSqlDW" that configures a connection to Azure Synapse Analytics to land the data for the NYC Synapse Data Warehouse analytics platform

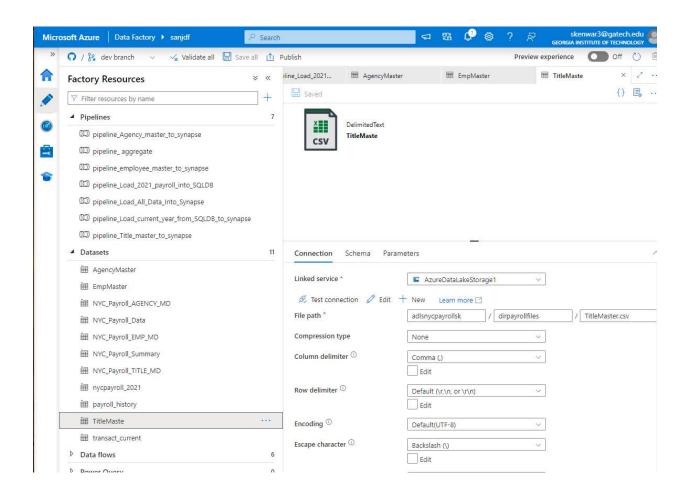


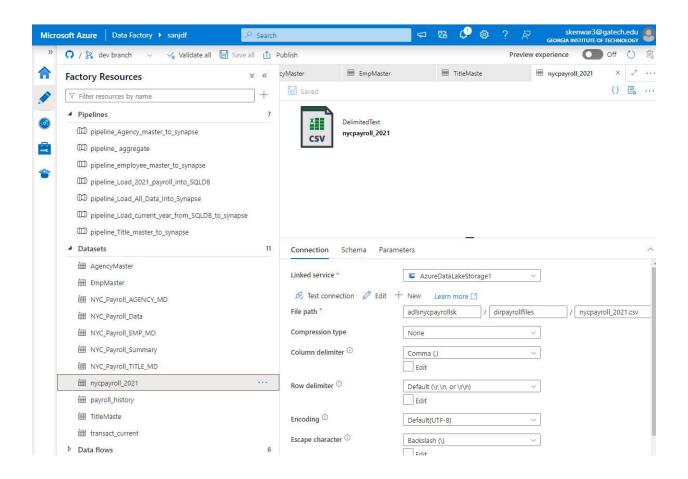
The learner will be able to create datasets to provide views of employee and payroll data in Azure Data Lake Gen2.

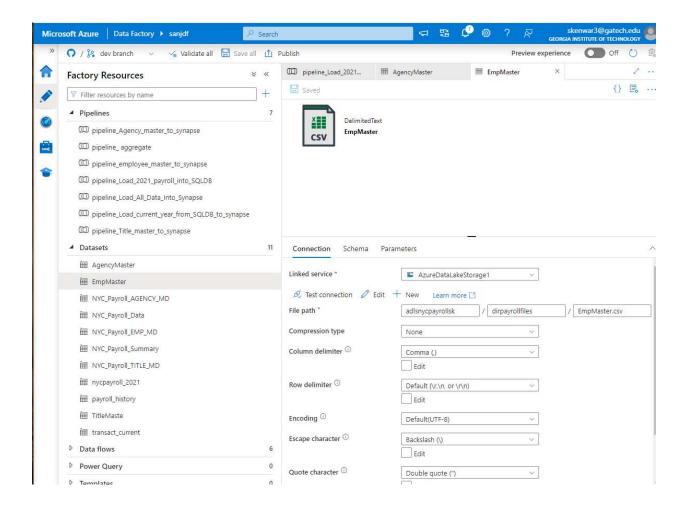
Multiple dataset objects are present in the data pipeline repository of type "AzureBlobFSLocation" with schemas from "AgencyMaster.csv", "TitleMaster.csv", "nycpayroll\_2021.csv", and "EmpMaster.csv" to provide datasets for data views from Azure Data Lake Gen2.





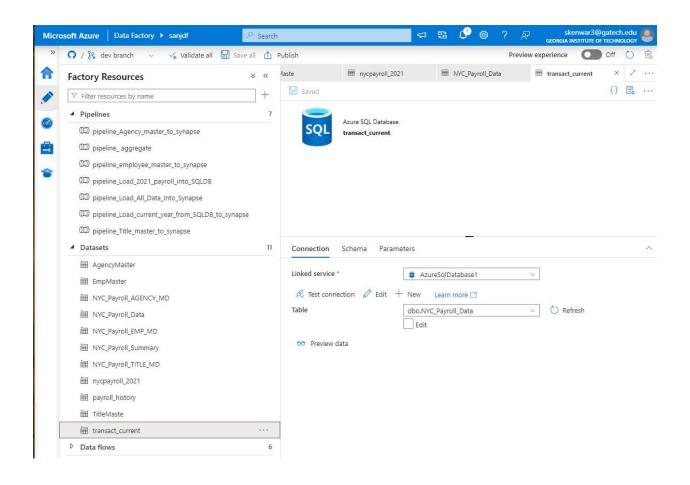




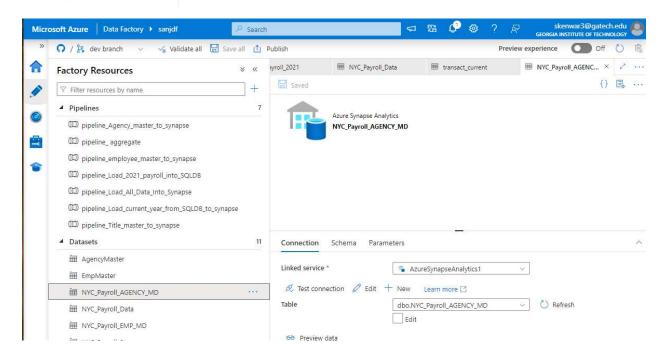


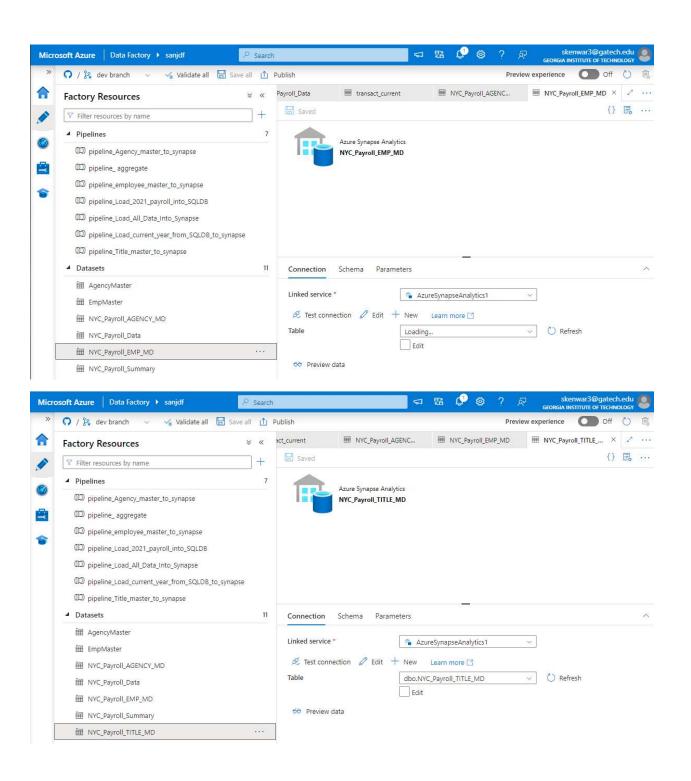
The learner will be able to create a dataset to provide a view of employee and payroll data in the Azure SQL DB table.

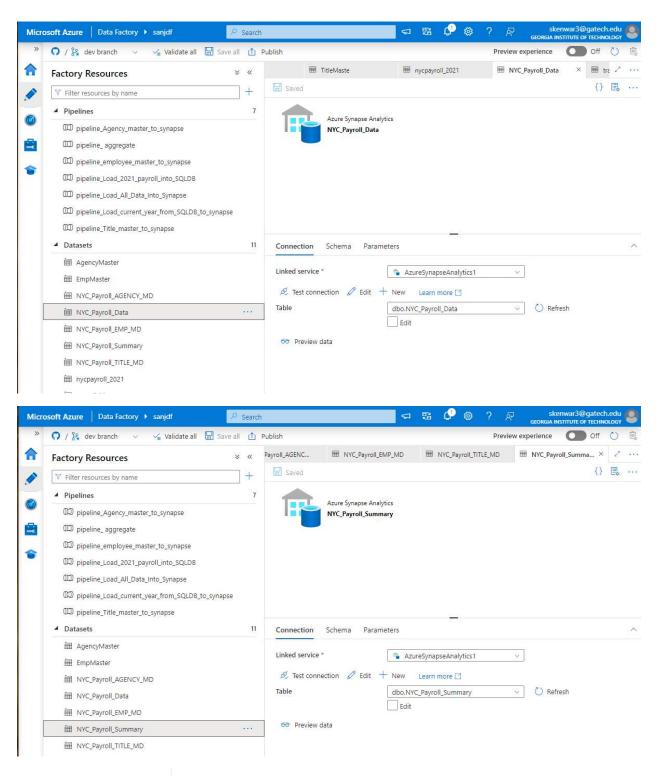
A dataset object is present in the data pipeline repository of type "AzureSqlTable" with schemas from the NYC Payroll Data SQL DB table to provide a dataset for a data



The learner will be able to create datasets to provide views of data to the Synapse Data Warehouse platform Multiple datasets are present in the project repository dataset directory of type "AzureSqlDWTable" to land the data from Azure Data Lake Gen2 into the Synapse Data Warehouse platform.

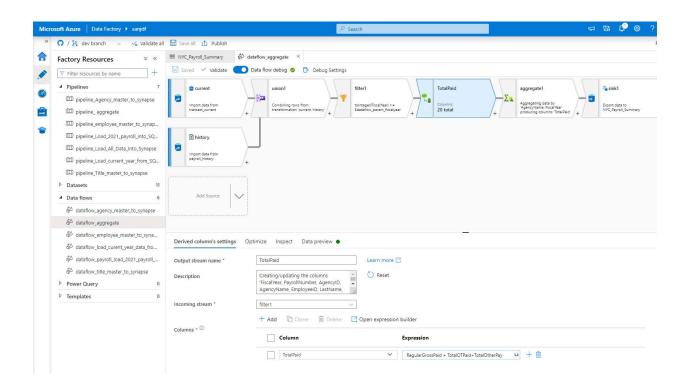






The learner will be able to create data flows to aggregate payroll data from Azure SQL DB and NYC Payroll history files to the Synapse Data

A Dataflow object is present in the data pipeline repository of type "MappingDataFlow" with a union to create a derived aggregated column with the total amount paid to an employee (TotalPaid = RegularGrossPaid + TotalOTPaid + TotalOtherPay). The data sources for this aggregate column should be the data from Azure SQL DB table and the historical NYC payroll data.



CRITERIA	MEETS SPECIFICATIONS
The student will be able to create a data pipeline containing Dataflow activities.	Multiple pipeline objects are present in the data pipeline repository with activities of type "ExecuteDataFlow" in the pipeline directory which contain Dataflow objects.
The learner should be able to trigger a pipeline and execute the Dataflows in it.	A screenshot is present showing a successful pipeline execution in Azure Data Factory

