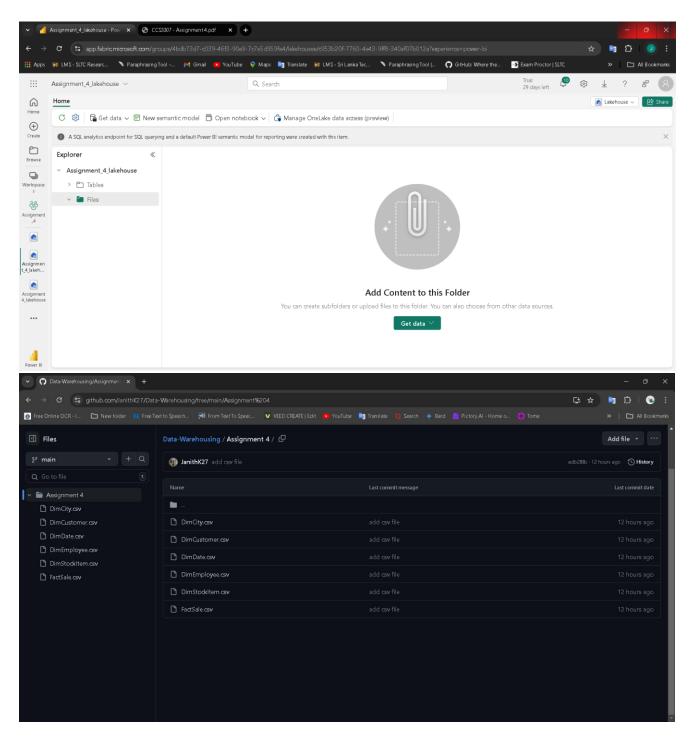
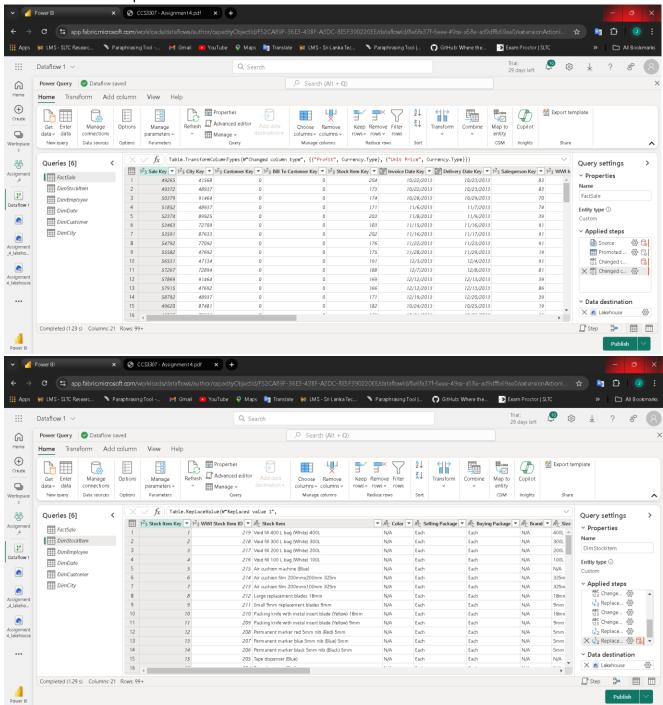
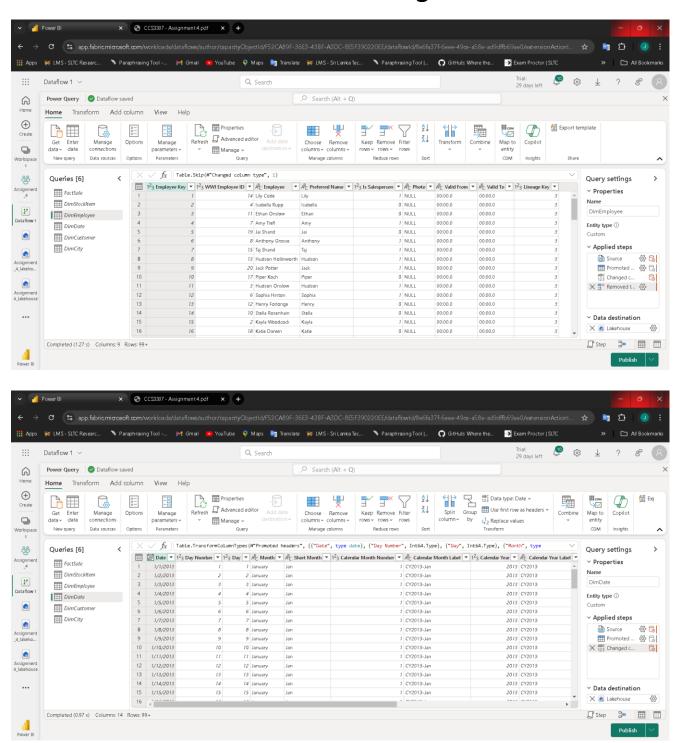
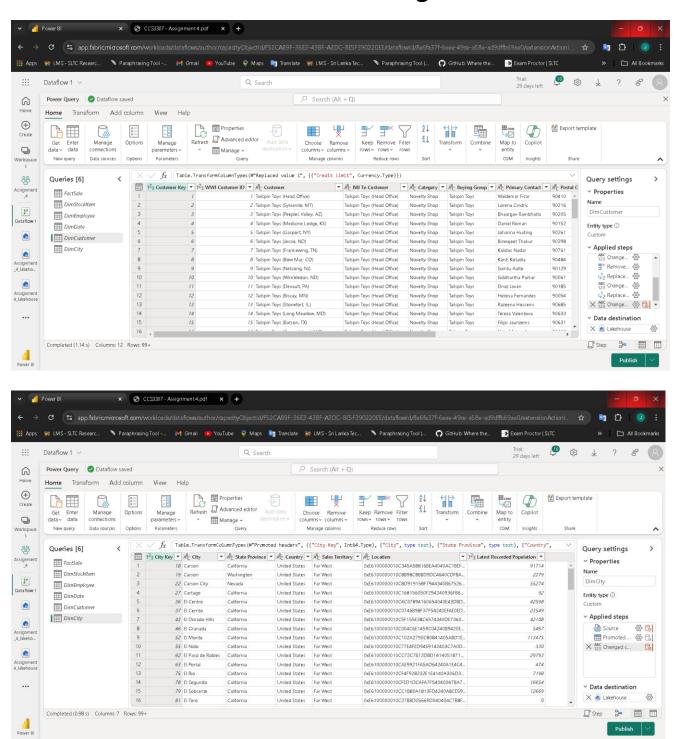
1. This dataset comprises several Excel files related to sales, including dimensions for customers, stock items, cities, dates, and employees, as well as a fact table for sales transactions. Create a Data Lakehouse in Microsoft fabric. Upload this dataset to the Microsoft fabric environment using the Upload Files option or Data Flow Gen2.

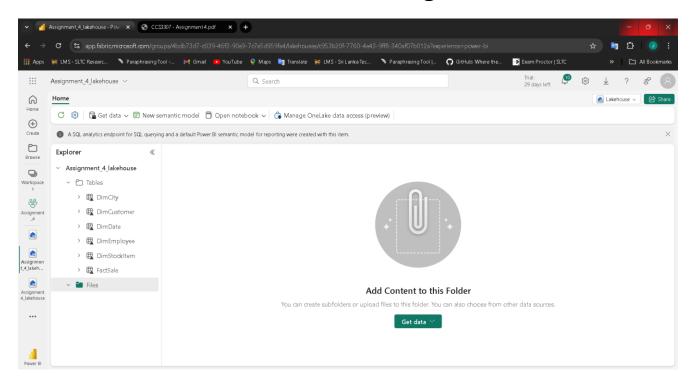


2. Apply the necessary preprocessing and transforming steps and create files in Data Lake Delta Tables. To do this ETL process use Data Flow Gen2 or Fabric Notebooks.

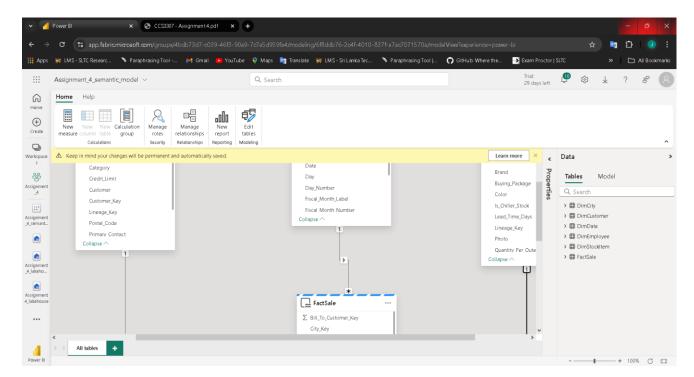


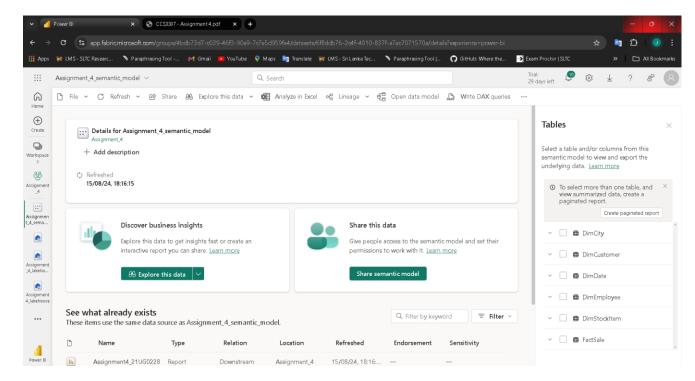




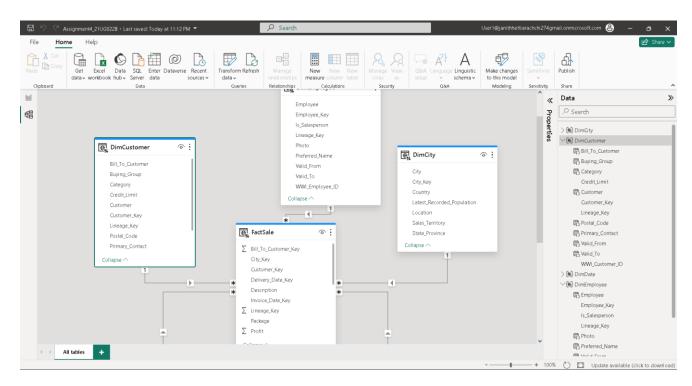


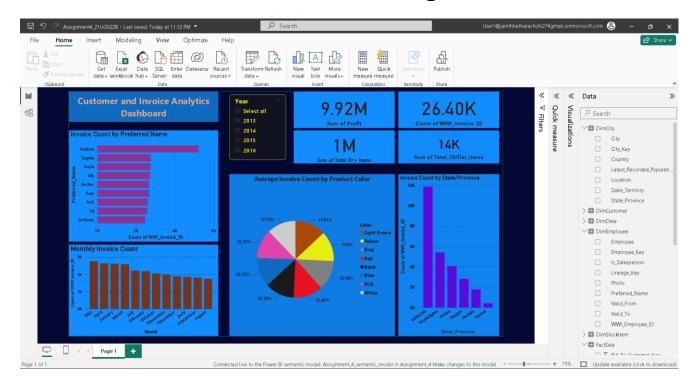
3. After Completing the ETL process and Delta Table Creation part on your data lake, create a semantic Model using the "New Semantic Model" option. Make sure to identify Keys in every table while creating the semantic model.



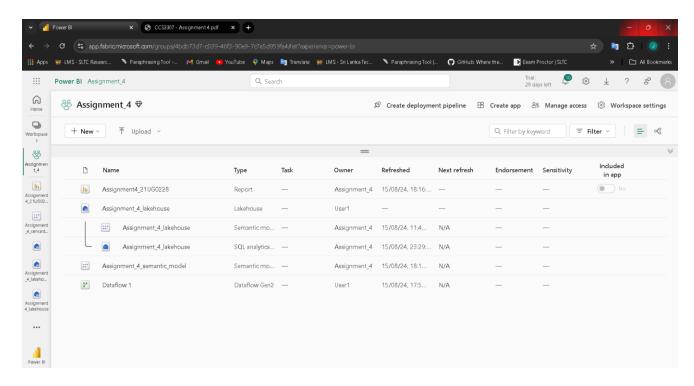


4. Connect the semantic model to Microsoft Power BI and Create a Dashboard to visualize important KPIs according to given Sales Data.





5. Publish your Power BI dashboard to Power BI service enabling a free trial and share a Link as a submission. Create a Lab Report adding necessary screenshots. Attach a Published link to the Lab Report. Make sure to rename the report using your student Index number.



CCS3307-Data Warehousing

