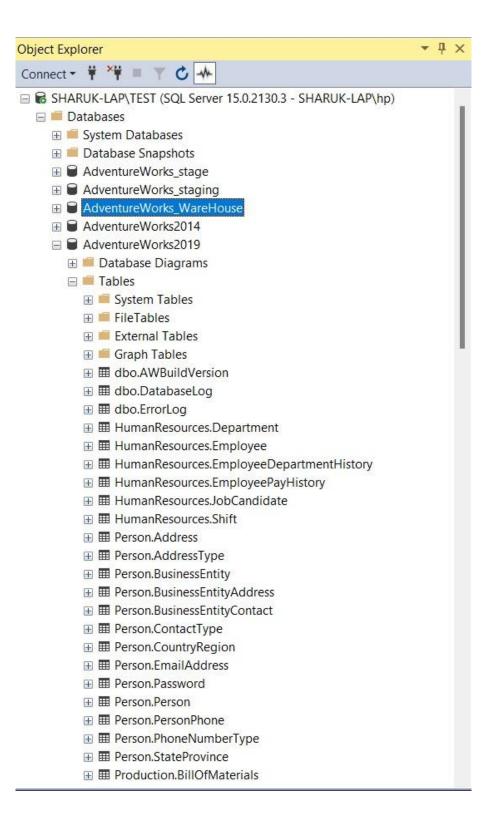
# Implementation of an On-Premises Data Warehouse Using SQL Server

I began by downloading the AdventureWorks2019 dataset and restoring it in SQL Server. Upon reviewing the data, I identified that the dataset contained 71 tables. Based on the assignment requirements, I selected the necessary data and proceeded with the ETL (Extract, Transform, Load) process.

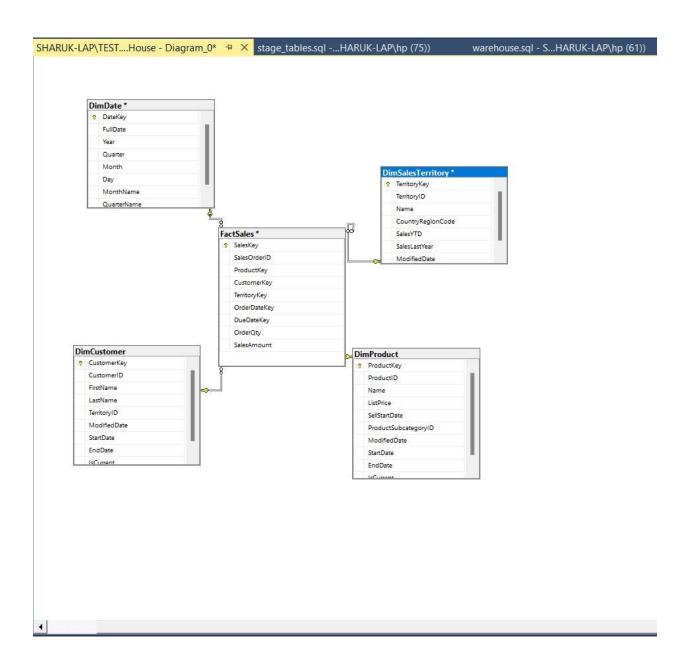
Using SQL Server Integration Services (SSIS), I extracted the required tables and selected the relevant columns to stage the data. After performing the necessary transformations, I utilized SSIS again to create a data warehouse and merged the required tables.

Subsequently, I employed SQL Server Analysis Services (SSAS) to analyze the final dataset. Finally, I used Power BI to present the data through visual reports and dashboards, ensuring clear insights and effective data representation.

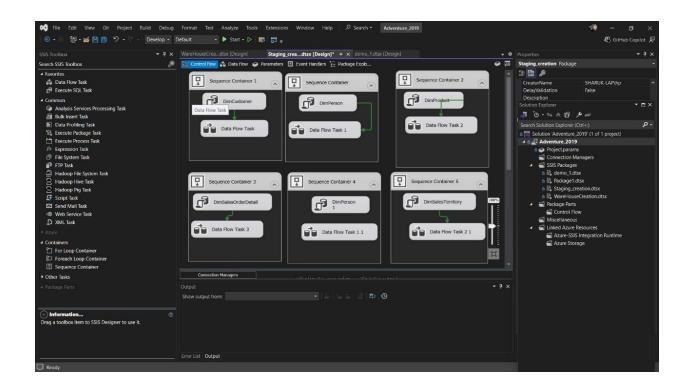
#### **Table Overview**



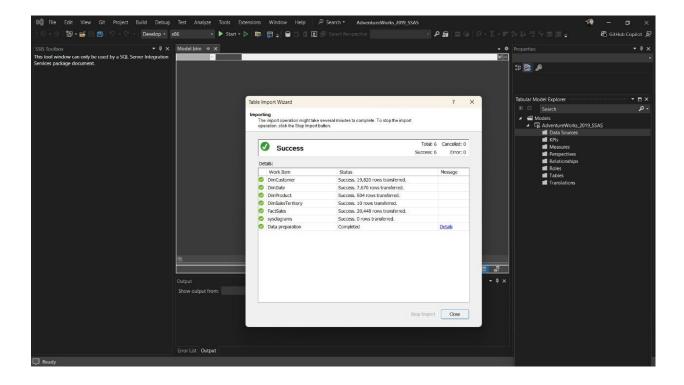
## The following provides an overview of the scheme



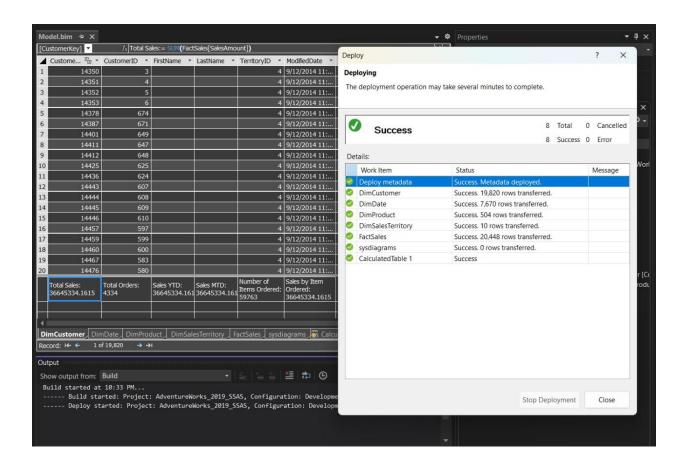
#### SSIS Overview



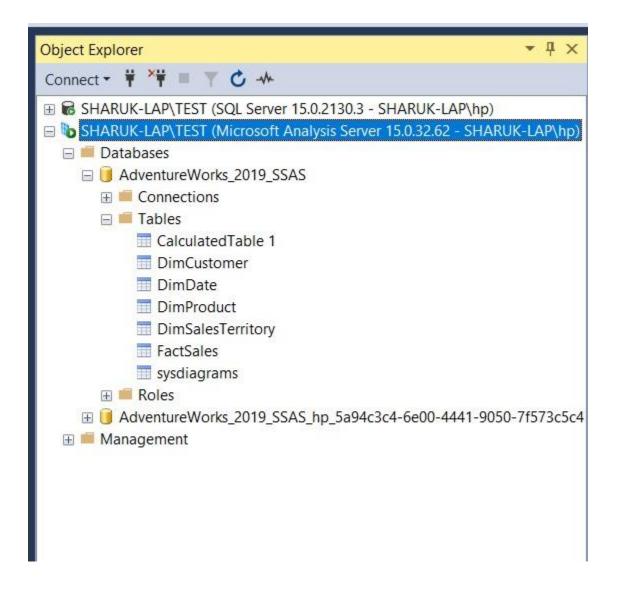
### Imported into SSAS



Identified the measures using SSAS, and the deployment was successful.



Identified the measures using SSAS, and the deployment was successful.



#### Power BI Visualization

