

BSc (Hons) in Information Technology Specializing in Data Science

IT3021 - Data Warehousing and Business Intelligence Year3

Assignment 02 Semester 01, 2025

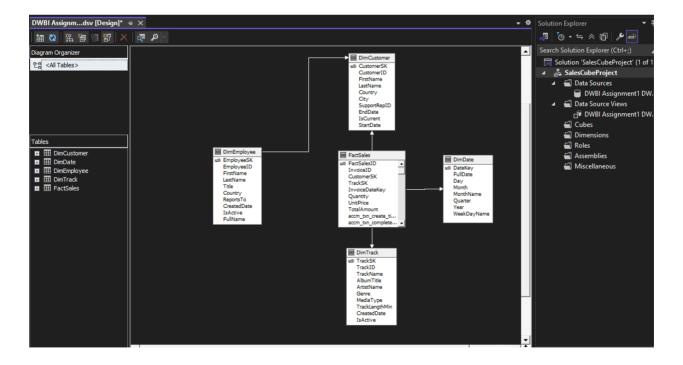
Name: SIRIWARDHANA N S - IT22348166

Step 1: Data source for the assignment 2

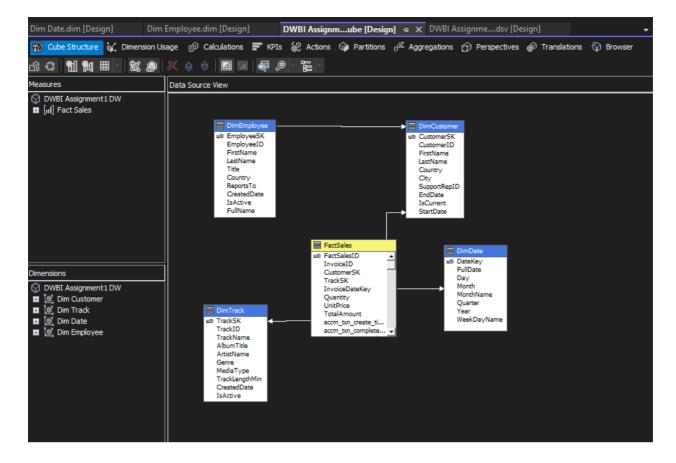
For this purpose use "DWBI_Assignment1_DW" as Data warehouse which implemented in last Assignment.

Step 2: SSAS Cube implementation

In here first create data source view using previous implemented data dimensions and fact table.

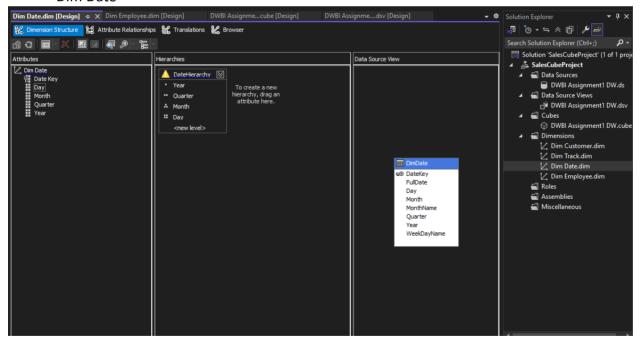


Then create Data Cube, In here I choose Fact Sales as measure, DimCustomer, DimDate, DimEmployee and DimTrack as dimensions.

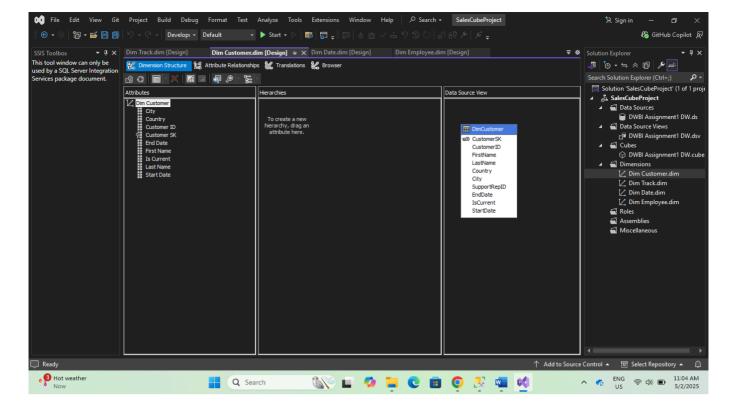


After that configure all the dimension with proper way.

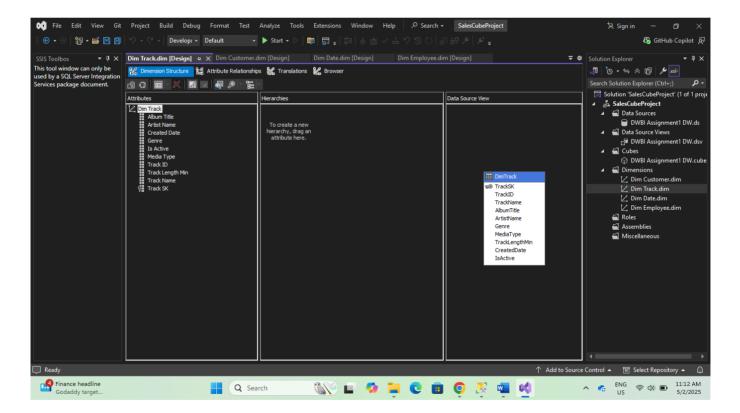
Dim Date



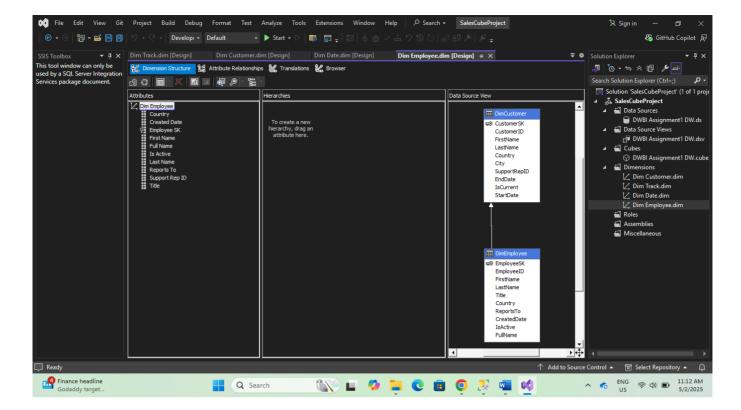
DimCustomer



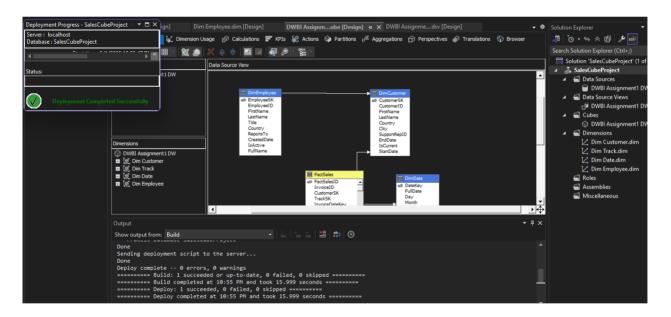
DimTrack



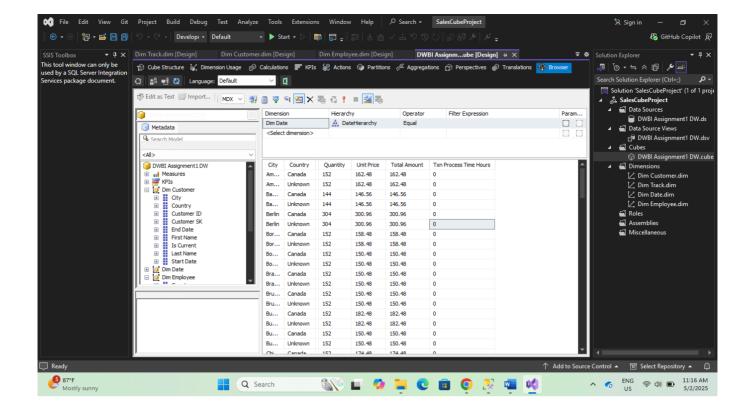
DimEmployee



Deploy successful,

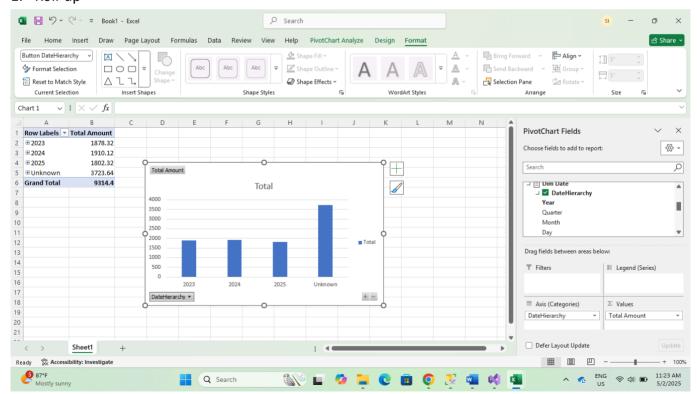


After deploying, Browser tab

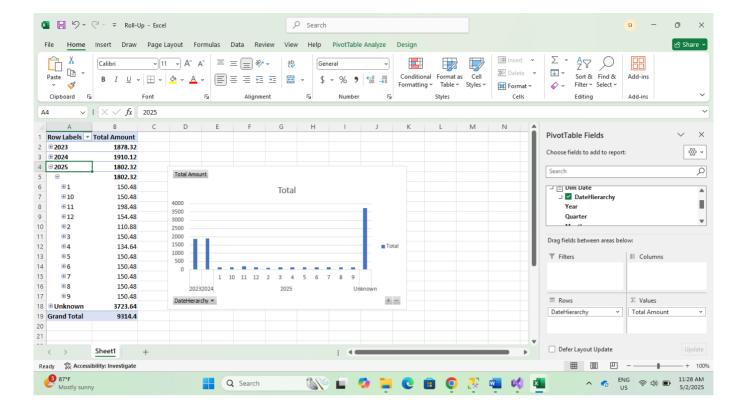


Step 3: Demonstration of OLAP operations Drill-Down

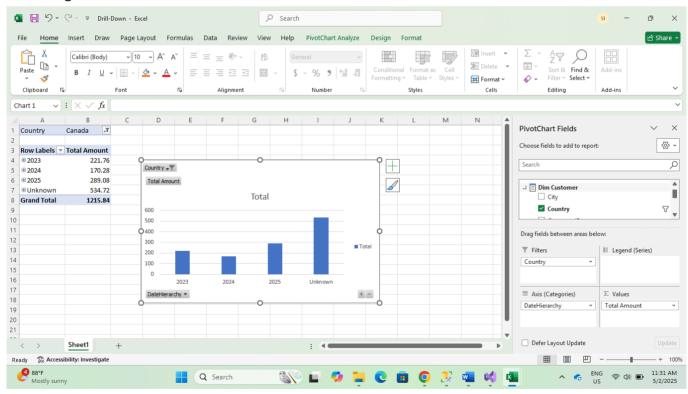
1. Roll-up



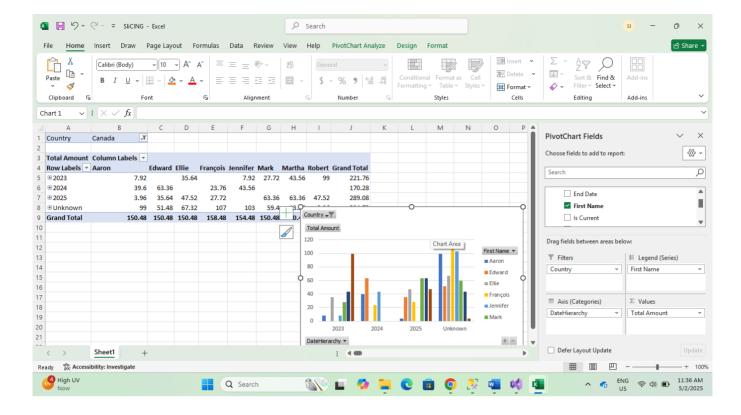
2. Drill-Down



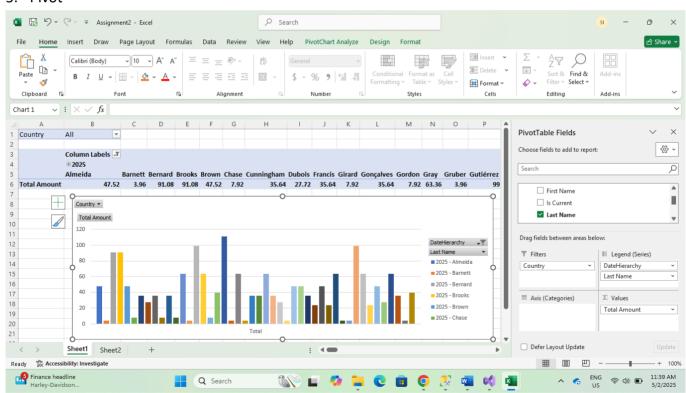
3. Slicing



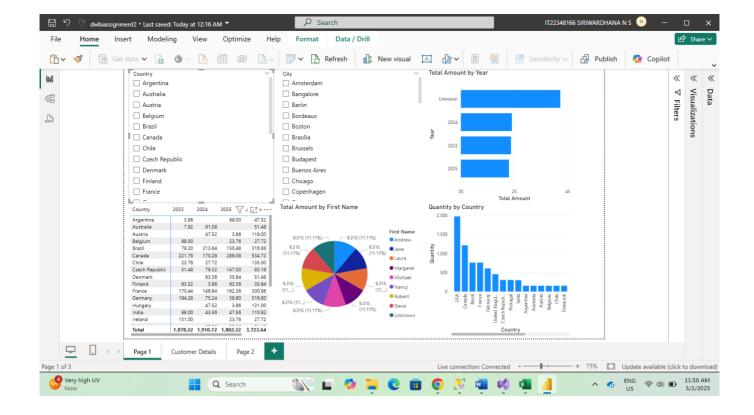
4. Dice



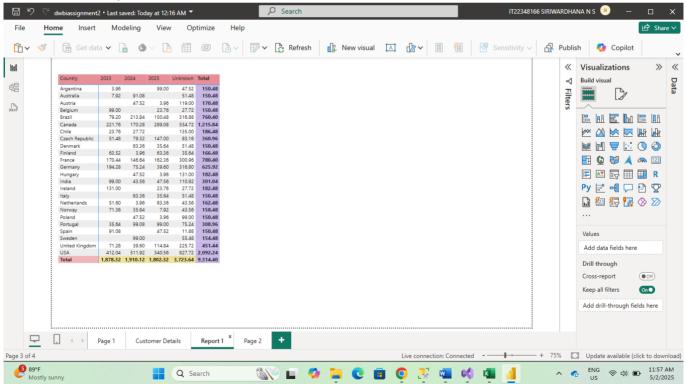
5. Pivot



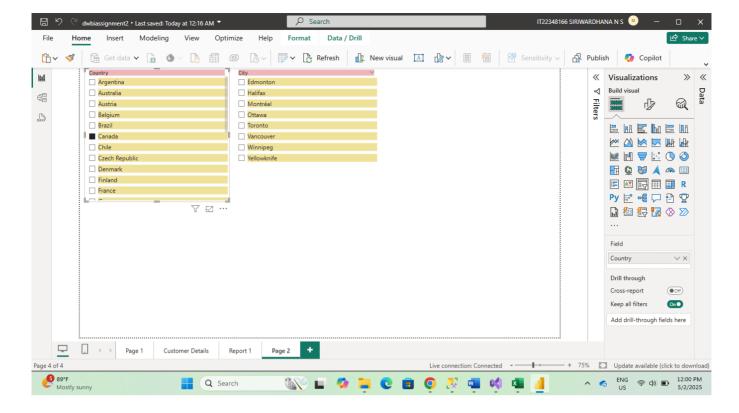
Step 4: PowerBI Reports



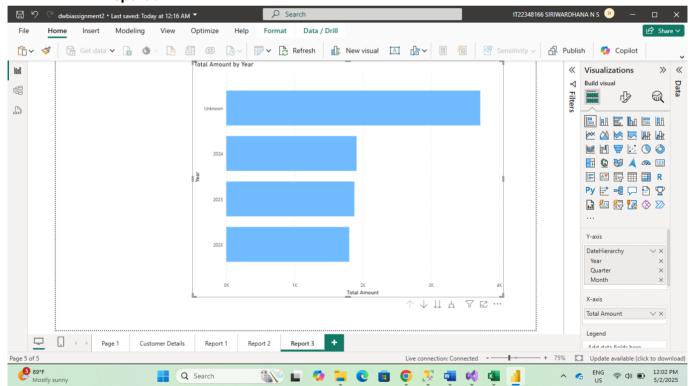
O Report 1:



O Report 2:



O Report 3:



O Report 4:

