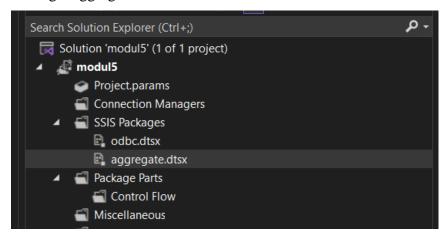
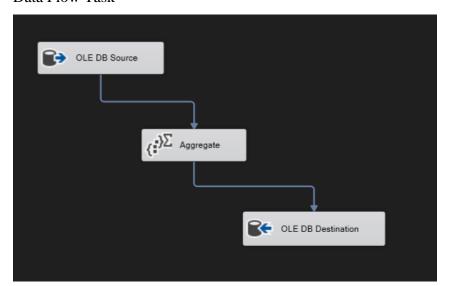
Praktikum Teknologi Perekayasaan Data

Tanggal Praktikum: Monday, March 6, 2023

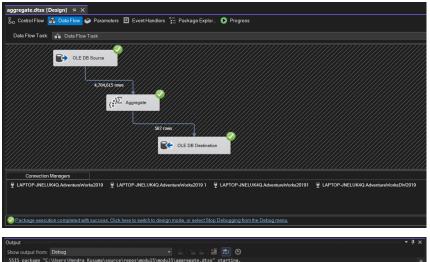
- 1. Lakukan langkah-langkah pada bagian ETL sesi 3 dan 4 dengan seksama dan screenshoot setiap package yang dibuat, proses run package, dan hasil tabel/file.
 - A. Transformation Aggregation Basic
 - Package Aggregate

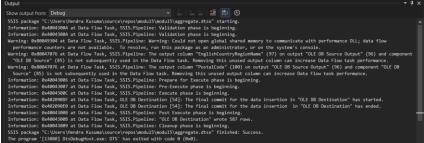


Data Flow Task

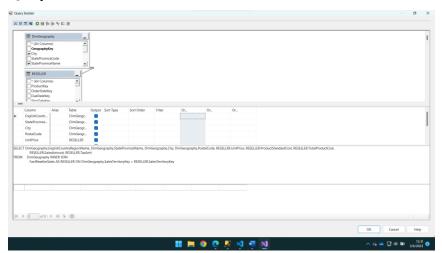


Proses Run

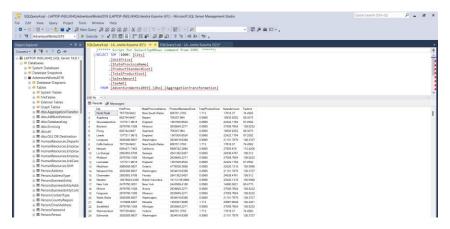




• Query Builder on Data Source

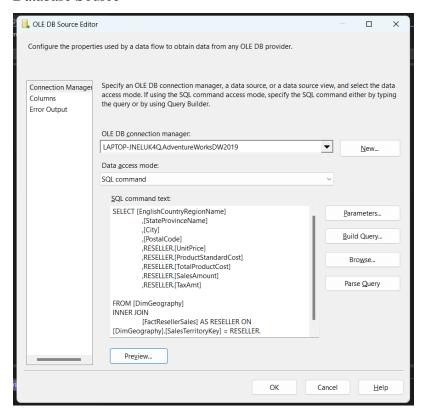


Database

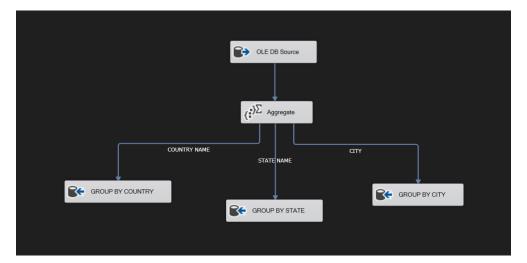


B. Transformation Aggregation Advance

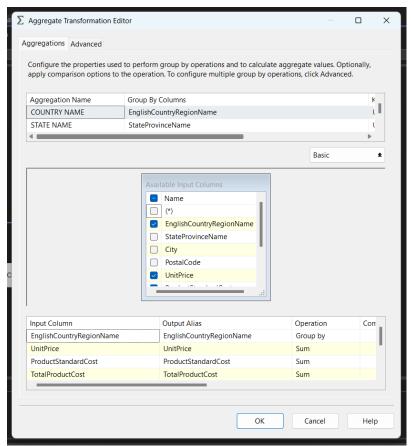
Database Source



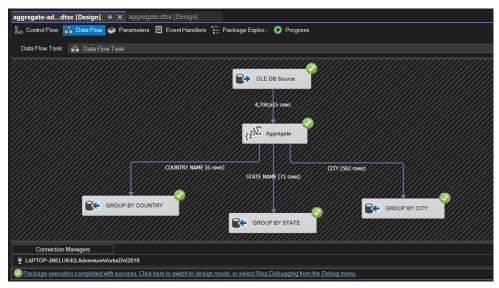
• Data Flow



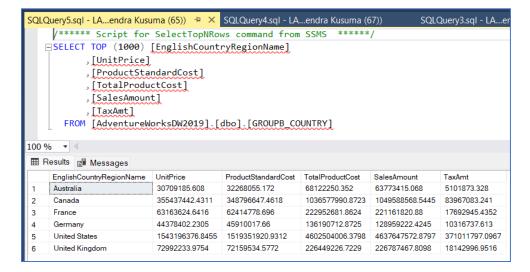
Aggregation



• Running

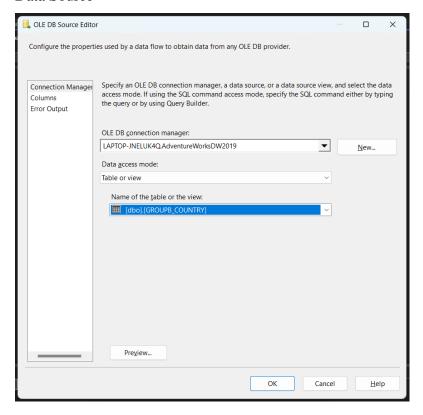


Database

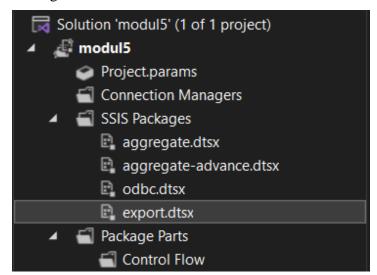


C. Export Data

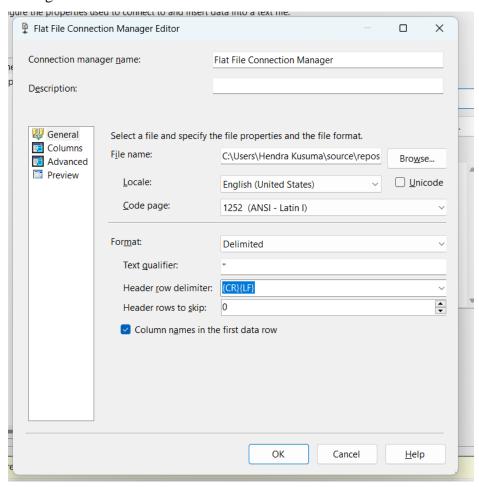
• Data Source



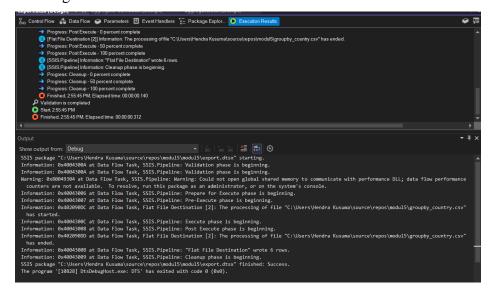
Package



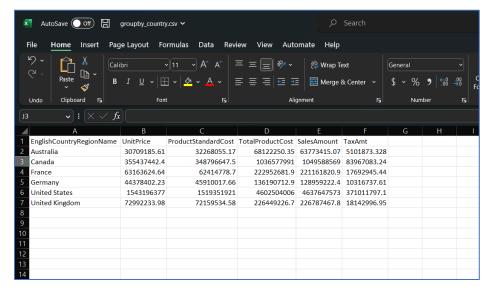
Konfigurasi Flat File



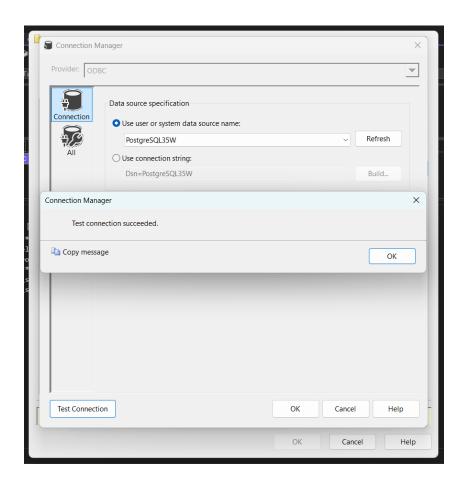
• Running Result



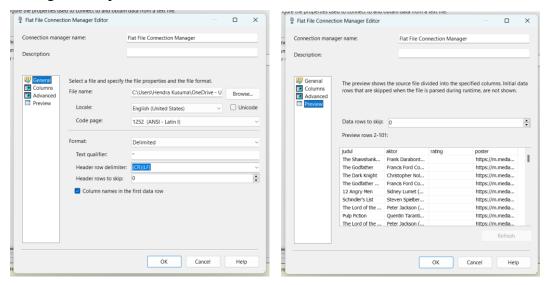
• CSV Output



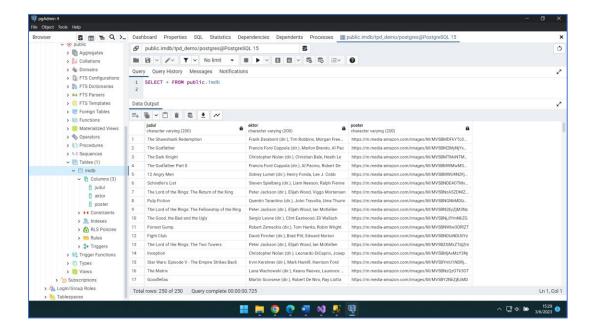
2. Buatlah koneksi odbc ke database selain SQL server, misal PosgreSQL/MySQL.



- 3. Import file imdb_data.csv ke database yang dipilih pada poin 2 dengan menggunakan SSIS.
 - Konfigurasi Import CSV



Database output in PostgresQL



4. Buatlah package dengan memanfaatkan database AdventureWorks2019/ AdventureWorksDW2019 dengan minimal dua fitur transformasi yang terdapat pada SSIS. Cantumkan dokumentasi pada file laporan praktikum. Cara penggunaan fitur transformasi dapat diperoleh dari berbagai referensi yang ada.

Data Flow

1. OLE DB Source

Pada tahapan ini, terdapat task untuk mengambil data dari AdventureWorksDW2019 dengan operasi join

2. Aggregate

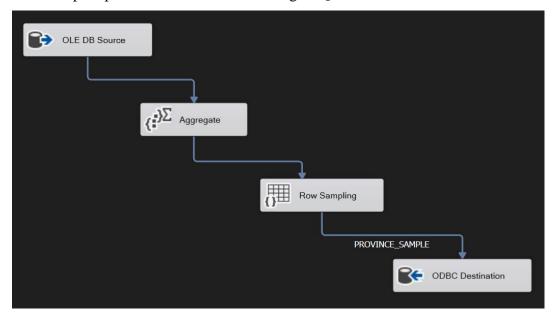
Pada tahapan ini dilakukan agregasi dari data yang tersedia berdasarkan state

3. Row Sampling

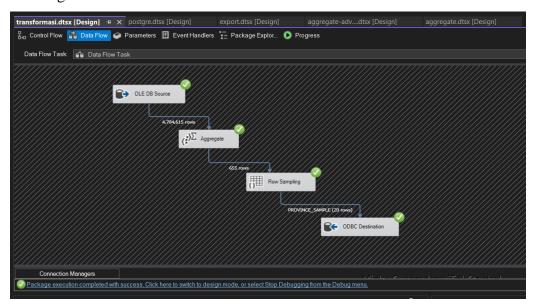
Pada row sampling dilakukan pengambilan sample berjumlah 20

4. ODBC Destination

Terdapat operasi write ke database PostgreSQL



• Running Task



Database

