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Date: 08/02/23
Course: SQL DEV 330
Assignment: Assignment 3

Question

Describe how the ETL process and report work as if you were explaining it to a coworker.

Answer

In this assignment, I will describe the ETL process and report and how it works to my coworker.

The ETL process is about extraction, transformation and loading data. The 2_Assignment03SourceDatabase.sql file is the first step in the ETL process. This SQL file will create the source database with mock-up data. The 4_Assignment03DWDDatabase.sql file is used to create the DW database. The 5_Assignment03ETL.sql file is used to create the ETL process using the DW database.

This ETL file uses stored procedures to perform transformations on the database such as dropping constraints, truncating the tables and inserting the information into the tables. The stored procedures perform the specific tasks and logs the information into another table that displays logged information about the action performed by the stored procedures. After all the transformations are complete and the data is loaded into the tables, then in the Report Builder we connect to show the final logged information of the stored procedure.

In conclusion, the ETL process is very useful because we have a structured procedure of extracting, transforming, and loading the data. Stored procedures help with the transformation and loading process as well as being able to log information to track the ETL process.