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Date: 08/17/23
Course: SQL DEV 330
Assignment: Assignment 5

<u>Question</u>
Describe to a coworker how your ETL Automation process works.

<u>Answer</u>
In this assignment, I will describe my ETL Automation process.

The ETL process is about extraction, transformation, and loading data. For the first step, the 1_Assignment03SourceDatabase.sql file is executed to create the source database. For the second step, the 3_Assignment03DWDatabase.sql file is used to create the destination of the DW database. For the final step, the 4_Assignment03ETL.sql file is used to create the ETL process using the DW database.

The SSIS package (DWEmployeeProjectsETLProcess) has been created as a visual layout as well as an execution plan of the ETL process by linking stored procedures to be executed in a specific order.

The SSIS package is automated through the use of SQL Server Agent. To set up the process, I had to set up credentials for SQL330 and then link it to a proxy named as SQL330. This proxy is used to execute the SSIS package and it is scheduled to run daily at 1am. I have created this SQL Server Agent Job as a SQL script so this is can be easily created on another computer. I have also created a report (Automation Job Report) which can show the job history of the SQL Server Agent Job.

In conclusion, the ETL Automation process is very useful because the necessary items can be migrated without changing the foundation of process. Everything can easily be transferred to another computer by using the SQL script created from the SQL Server Agent Job and set up properly using the solution file as a foundation for troubleshooting.