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IT FDN 130 A Sp 24

Assignment 06

DB Foundation Assignment 06

Intro

This week, I learned how to use views, functions and store procedures to save code in a database to simplify complex code, the difference between saving code in a text file in a hard drive, called SQL scrip, and the way to save code within the database files.

Topic

1. Explain when you would use a SQL View.
 - a. Mostly when there is a complex code, it's a way to simply code instead of typing the complex code again, or even other people can use the view to select data and get same results, that's going to be used later to create a report.
2. Explain are the differences and similarities between a View, Function, and Stored Procedure
 - a. A view has the ability to be created or dropped, also needs to be named. When using Orde By clause, I need to make sure I select TOP statement, for example TOP 1000000, a very large number.
 - b. Also a view can be divided by rows, divide data by columns, this last one can be used to show private vs public version for visibility purposes.
 - c. A function unlike the view, I can return an individual value using the word Return(s), also need to add dbo., and also use parentheses () at the end.
 - d. Functions perform specific tasks and return a single value, functions help to avoid duplicating code
 - e. A stored procedure is a collection of one or more SQL statements that are stored in a database and can be executed as one unit, that also improves the performance.

Summary

In summary, in this module I learned these valuable tools for managing and optimizing SQL code and database, also helps with organizing and keep maintenance more efficient.