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Foundations of Databases & SQL Programming

Assignment 07

https://github.com/dishiyer/DBFoundations-Module07

Assignment 07 – Functions

Introduction

The seventh module covered Views, Functions and Stored Procedures in SQL.

Summary

In this module, some of the key topics I learned about are:

1. Views, Ordering Views, and Partitioning Views
2. Creating Base Views
3. Functions and Stored Procedures

Questions

1. *Explain when you would use a SQL UDF.*
2. *Explain are the differences between Scalar, Inline, and Multi-Statement Functions.*

Response

SQL View

SQL views can be used to organize data from a database in a format that the user can have gain value from. It can also help present data from a database in a restrictive manner to so that users only see what they need to see. The view cans summarize key points that need to communicated.

View, Function, Stored Procedure

View – presentable format of a database with end user value. Views are user-facing information.

Functions – repeatable set of code to perform action on a particular database. It doesn't necessarily have to be user-facing for output.

Stored Procedure – repeatable set of statements that can be reused across databases. It doesn't necessarily have to be user-facing, and it doesn't necessarily have to have a context of a single database.