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Assignment 06 – Writeup

Introduction

This week we learned primarily about views with brief sections about UDF’s and Stored Procedures. The permissions management aspects of this week were especially useful for workplace context as was understanding the purpose of views.

Explain when you would use a SQL View

I would use a View when wanting to create a layer of abstraction between the raw underlying tables and the users. You can also use Views to manage schema binding and the permissions at a selected level where you can grant the users access to the views but not the underlying tables.

Explain the differences and similarities between a View, Function, and Stored Procedure

* **Similarities:**
  + All three can return a set of values or a scalar value
  + All three provide a layer of abstraction with which that security and access management can take place
* **Differences:** 
  + With functions you can enter a variable placeholder for future selection functions whereas you cannot and should not with a View. A view will return an extract but it will not in SQL actually ‘Return’ an object.
  + Stored Procedures act similar to VBA Sub()’s where you can have it execute a pre-determined set of instructions. This makes it distinct from Functions and Views.

Summary

This module was extremely challenging for me, and I’ll be doing practices on LearnSQL.com and reviewing the module06 notes exhaustively again to make sure I concretely can understand the concepts.