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Assignment 6 Document your knowledge- *A writeup*

Introduction

Hello and thank you for reading my paper. I will be answering some questions you might have and discussing some topics that are important. Read on for a written adventure.

Explain when you would use a SQL View

A view in SQL is based on what you want to see in a SELECT statement. You can choose what columns of tables you want to see in one place. You would use a view to make multiple pieces of data from different tables easier to see in one “table”. You might also use a view when there is data in tables that you wish to restrict from other people to see, like financial or personal data.

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

A view is multiple columns of data from the same or different tables presented to you in one “table” based on what is in a SELECT statement.

A function is a chunk of code that takes data input, does something (specific based on the code) with it, and gives back results/a value.

A stored procedure is also a chunk of code that uses data input to perform an action. The difference is, they do not give a value back. Typically used for more complex pieces of code.

Basically:

- Views present existing data - functions/stored procedures perform actions.
- Views and functions give data as a result - stored procedures don't
- Views and functions don't really modify data - stored procedures do

Summary

In summary, what I've taken the most away from this module is views are typically the data that I see at work, and they are views of views. The data exist, but some of it is confidential, so the DBA only allows access to views