Katherine Copper
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Assignment 06: SQL View

Introduction:

This paper will review the use of a SQL view and explain the differences and similarities between a View, Function, and Stored Procedure.

SQL View:

A view is a virtual table that allows the user to define a table without taking up extra storage. Through a View, multiple tables can be joined from different tables. While tables are useful for storing complex data with columns, Views allow a user to simplify those complex data structures. Views offer more security, for example, the user can restrict access to the table but allow access to a view.

View, Function and Stored Procedures:

By using a view, one can join multiple tables in on view and present it as if its in a singular table. Stored Procedure utilized parameters to execute a function and can perform larger actions to modify the data. On the other hand, a function will focus on data retrieval and is more flexible. There are two basic types of functions, one that will return a table of values and the other which will return a single value. One similarity between a function and a stored procedure is both can utilize parameters. Views and Stored Procedures both store and execute queries.

Summary:

In summary, Views, Functions and Stored Procedures help manipulate data in different ways. Views can simplify tables, Stored Procedures and Functions use parameters to execute functions and retrieve data.