

Soojoung Jang

May 22, 2022

IT FDN 130: Foundations of Databases & SQL Programming

Assignment 06

Github: https://github.com/AshleyJ0812/DBFoundations/blob/main/Assignment06_SoojoungJang.sql

SQL View

Introduction

I am going to explain when I would use a SQL View and the differences and similarities between a view, function and stored procedure.

Explain when you would use a SQL View

When I want to restrict access to the data in such a way that a user can see and modify exactly what they need and no more and to Summarize data from various tables which can be used to generate reports.

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

- Differences

View is simple showcasing data stored in the database tables whereas a stored procedure is a group of statements that can be executed. A view is faster as it displays data from the tables referenced whereas a stored procedure executes sql statements. A view returns a specific predefined statement as exactly one result set. A function returns a single value or a single result set.

- Similarities

I can use View, Function, and Stored Procedure to save and store sql code which help build powerful database applications. They provide several advantages including better performance, higher productivity, ease of use, and increased scalability.

Summary

I explained about utilization of view in SQL and Explained the differences and similarities between a View, Function, and Stored Procedure.