Mackenzie Henderson
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Assignment 06

Introduction

SQL Views, Functions, and Stored Procedures help organize and simplify SQL queries, improving efficiency in database management.

Using SQL Views

A SQL View is used to save complex queries as virtual tables. It simplifies data retrieval by presenting data from multiple tables without changing them and can improve security by limiting data access.

Differences and Similarities Between Views, Functions, and Stored Procedures

A view is a saved query that looks and acts like a table but doesn't actually store data. It's used to simplify complex queries. A function returns a value or a table and is used for calculations or transformations within queries. A stored procedure is a set of SQL statements that perform tasks and may return values. It allows for more complex logic, like loops or error handling.

Summary

Views, functions, and stored procedures each serve different purposes in SQL. Views simplify data retrieval, Functions perform calculations or return values, and stored procedures automate tasks and handle complex logic. Understanding when to use each one makes SQL programming more efficient.