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Foundations Of Databases & SQL Programming

Assignment 06

1. Explain when you would use a SQL View.

A SQL View is used when you want to simplify complex queries or hide sensitive data. It acts like a virtual table that stores a predefined query, allowing users to access specific data without exposing the underlying table structure.

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

Views, Functions, and Stored Procedures are all database objects used to simplify complex queries and encapsulate database logic. Views are virtual tables representing the result of a stored query, primarily used for simplifying data retrieval and restricting direct table access. Functions return values or tables and can be used within SQL queries. However, they cannot perform data modifications directly. Stored Procedures are more versatile, capable of executing multiple SQL statements, modifying data, and handling transactions.