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Assignment #6-Foundation Assignment

Introduction

There are a few different ways in SQL to reduce to the reuse of code to prevent bloated files. One of the best ways to reduce databases created is to use Views. Views allow the SQL user to create a virtual table out of previously created tables. This means if I want to combine data from different tables I can create a view that combines the desired data without creating a whole new database to create a brand new table.

**Topic**: Explain when you would use a SQL View.

If you wanted to combine already acquired data into a new table, views allow the user to do this without creating an additional database. Views allow the SQL use to make tables that contain the data desired, this can involve combining multiple databases into a new View. This allows for data to be interpreted better and to be manipulated easier without as many issues from creating a filling new databases.

**Topic**: Explain what the differences and similarities between a View, Function, and Stored Procedure are.

Views are essentially virtual tables that combine date from multiple different tables into one place to be referenced. Functions can use parameters unlike Views and they can also be used in select statements. Stored Procedures use parameters to perform Functions whatever they maybe.

**Summary**

Views are useful because they can help reduce the overall amount of code needed in SQL. This is helpful because the more code that is repeated the more room there is for error. But if we reduce the redundancy by creating Views instead of more databases we can reference the Views making our code cleaner and less error prone.