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Course: IT FDN 130 A Sum 22: Foundations of Databases & SQL Programming
Assignment 06 Views, Functions, and Stored Procedures

Do you want to build a VIEW??

Introduction

In the word of Frozen 'Do you want to build a viiiieeeewwwww?' With this assignment we got to practice with views more and learn a little bit more about functions and stored procedures.

Why a View?

Views are great to use in SQL because there are times that you just don't want to keep typing out the same code over and over. If you've written a complex piece of code, you may want to create a view for your code, so you don't have to keep recreating the wheel each time. You can also lock down your tables and only allow end users to use the views to pull data in for the selected tables. Another great feature is you can combine, or split data using views and the user might not ever know the data was split in the first place.

View, Function, Store Procedures? Oh My!

Views are a SELECT statement that is stored in your database, and it cannot contain parameters. Where Functions operate similar (could be considered almost the same), except they allow you to set parameters to change the results of your query. Store Procedures on the other handle are a group of statements that form your plan or code. They will return a result for each of your select statements, and you can use your store procedures repeatedly. If you find yourself writing the same thing over and over and over again, store it as a procedure.

Summary

Unlike last week's assignment, I feel much more successful this week. Being able to practice with views, is helping me realize more that I need to practice using alias in my code. Towards the end, the code was getting so long it's becoming apparent that alias, although not required, provide a much cleaner code that is easier to follow.