

Name: Jordan Javier

Date: 8/7/2024

Course: IT FDN 130

Assignment 6

Github URL: <https://github.com/javi4609/DBFoundations>

Views

Introduction

In this assignment, we explore SQL views and why you would want to use them versus querying out of a table. Then we explore the differences between views, functions and stored procedures.

SQL Views

SQL views are great opportunities to be able to restrict the ability to edit a database or table while still being able to allow users to query the database for the information that they need. Coding views would As a user, you would have to use a view to query into the database. As an administrator, you would use view to allow for data assurances, data consistency and restrict permissions for regular users into editing the data set to assure data integrity.

Views, Functions & Stored Procedures

Views, functions & stored procedures are very similar in their coding format but are vastly different in terms of use and functionality. All three start with the "CREATE" keyword and then "VIEW" or "FUNCTION" or "PROCEDURE" respectively. Then the "AS" keyword to define the name and then the respective code. The one difference is that when using a view it is similar to querying into a database. Functions on the other hand return a value or table. They are typically used for repetitive or tedious code that returns a value or table very similar to a calculator. Stored procedures are similar to functions, however they do not need to return a value or a table. They

instead can alter the database, table or view and are typically used for tedious code in which you need to change 1 or 2 variables to achieve different results.

Summary

In conclusion, views are amazing ways to create database permissions while function and stored procedures allow for efficiency and maintenance of the database.