## SQL View, Function, and Stored Procedure

## Introduction

In this assignment document I will reflect on the material covered in views module. I will highlight some of the key concepts in when an SQL view is used, and compare the differences and similarities between a view, function, and stored procedure.

## SQL View

An SQL view is a table that is created on the result-set of a statement. The fields within the view contain information from at least one table in the database. The view always displays the most recent data and is updated each time a user does a query.

## Comparing SQL View, Function and Stored Procedure

A stored procedure is related to function as it uses parameters to create a function. A SQL view is different from a stored procedure as it does not accept parameters, cannot be used in a larger query as building block, and is able to perform modifications to tables. A function is different from a stored procedure as a value must be returned with a function, while it is optional with a stored procedure. Additionally, functions only can input parameters, compared to stored procedures that are able to have input or output parameters. Overall, there are a variety of circumstances when it is most appropriate to use a SQL view, function, or stored procedure and it is critical to understand works best for the outcome desired.

## Summary

Assignment six focused on learning when to use an SQL view, function, and stored procedure. Running the given code and being able to create my own views from a basic view that showed data from each table, to setting permissions and creating specific views required by the assignment, I was able to apply the material covered in the SQL view module material.