SQL Views, Functions, Stored Procedures

# Introduction

This paper will review views, functions, and stored procedures used in SQL.

# 1 Views

Views are used when you want to protect the original information in a database or only provide specific information for a particularly group of users. Views are derived tables from a central data base. Those views can then be used as a table using the same manipulations that all tables have. Any manipulation of the view is on a table that is separate from the main database. Unlike SQL script, views, functions, and stored procedures can be save directly in the database and reference by other people in their SQL coding.

# 2 Function and Stored Procedures

Functions and views are select statements with a unique identifier, aka a name. Invoking the name allows members. These are useful bits of code that can be used multiple times by many different people by invoking the functions. View and functions allow you to create select statements.

Stored procedures are similar in that the procedures is saved and can be invoked. Stored procedures, however, can manipulate the data in a table beyond just using a select statement.

# Summary

This paper highlighted the basic functionality of views, functions, ad stored procedures.