**Name:** Nasanzuu Duncombe

**Date:** 11/25/2024

**Course:** IT FDN 130 – Foundations of Databases & SQL Programming

**Assignment 06**

**Introduction**

In this article, I will explain when to use SQL View and the differences between View, Function and Stored Procedure.

**About SQL View**

In normal Select statements, SQL will display data sets that were previously stored in a database. However, in the case of complex query, there are benefits to using Create View statement to create virtual data sets to display and modify. For example, a View is used to,

* Limit access to sensitive data, which offers better data security.
* Simplified access to data by eliminating complex SQL queries.
* Display information in a specific format, filters and conditions without altering the original table(s).

The main difference between View and Stored Procedure is that View only displays virtual table(s) whereas Stored Procedure can be used to modify data. Stored Procedures are saved and can be reused to perform complex database operations. The main difference of function is that it usually does simple calculations or actions and cannot transform data.