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Course: IT FDN 130 A Sp 22: Foundations Of Databases & SQL Programming

<https://github.com/Pigeaux/DBFoundations>

## Assignment 7

### Introduction

In this assignment, I will explain the utility of a SQL UDF and the differences between scalar, inline, and multi-statement functions.

### Topic

UDFs, or User Defined Functions, provide an easy way to save complex or frequently used logic. If I would need to type the same select statement dozens of times each day, only changing certain variables within that statement, it would be useful to create a function out of that statement. Then it can be called up just by referencing the function.

Scalar functions return a single result. Inline functions return a table. Multi-statements also return a table but allow for more manipulation of the data and how it is organized in the table.

### Summary

Functions are a helpful way to streamline code and avoid duplicating work.