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IT FDN 130: Foundations of Databases & SQL Programming

Assignment 07

<https://github.com/AshleyJ0812/-DBFoundations-Module07#-dbfoundations-module07>

# SQL Function

## Introduction

This week, I've learned that there are many useful functions in MS SQL and I needed to memorize those to utilize in my query.

## When I would use a SQL UDF

I can use UDF to filter data based on some complex constraints and when repeated code occurs in a program. Function can be used to include those codes and execute when needed by calling that function. So that I would save coding time.

## The differences between Scalar, Inline, and Multi-Statement Functions

Inline table valued function where the function body just contains one line of select statement. There is no return variable. Multi-statement table valued function where it has a return table variable. A scalar function returns a single value. It might not even be related to tables in your database.

## Summary

By using functions. The statements can be made less complex and easier to write and Simpler to invoke. User defined functions are created by the user. They are created as per users' needs.