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February 28, 2024

Foundations of Databases & SQL Programming

Assignment 07

<https://github.com/alexschi24/DBFoundations>

# Functions

## Introduction

In this assignment, we will discuss SQL User Defined Functions (UDFs).

## SQL User Defined Functions (UDFs)

SQL UDF are a way to create custom functions. The SQL UDF will either return a table of values or return a single value. The types of functions include scalar, inline, and multi-statement.

## Scalar Function

The Scalar Function will return a single value.

## Inline Function

The Inline Function will return a table.

## Multi-Statement Function

The Multi-Statement Function will return a table, similar to the Inline Function. However, the difference between the Multi-Statement and the Inline is that the Multi-Statement needs code for the table structure, similar to the Scalar Function.

## Summary

There are three main types of SQL UDFs and the similarities and differences between them were discussed.

## References

Root, R. (2017, August 08). Functions - 02 User Defined Functions UDFs. YouTube.  
([https://youtu.be/XEiQ3M2LhU4?si=clrsApgAwa2J0FB\\_](https://youtu.be/XEiQ3M2LhU4?si=clrsApgAwa2J0FB_))

Root, R. Module 07 - Functions [Class Notes]. University of Washington, IT Foundations 130.