SQL User Defined Functions

# Introduction

This paper will review user defined functions and define scalar, inline, and multi-statement functions.

# 1 User Defined Functions (UDF)

SQL features several built in functions like Case, Choose, and IIf. Functions allow users to call useful bits of code, passing in input parameters, repeatedly. UDFs are aptly named. These functions are coded by users. Like built in functions, UDFs can be called repeatedly.

# 2 Scalar, Inline, & Multi-Statement Functions

Functions are further defined by the type of output they provide. Scalar functions return only a single value like an integer. Inline functions only return Select statements. A multi-Statement function can return tables as opposed to a select statement.

# Summary

This paper defined UDFs and explored the differences between scalar, inline, & multi-statement functions.