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**Assignment 07 – Functions**

**Introduction**

In this assignment I will discuss SQL Functions.

**When to Use a SQL UDF**

A SQL User Defined Function (UDF) provides the ability to call on a specific piece of logic in code as a function rather than having to write out the long form code every time it’s needed.

**Differences Between Scalar, Inline & Multi-Statement Functions**

A scalar UDF takes one or more parameters and returns a single value. An inline table-valued function returns a variable of data type table whose value comes from a single SELECT statement. And finally, a Multi-Statement Function returns a table as its’ output.

**Conclusion**

This week’s assignment was to learn about SQL Functions and to apply what we learned using SQL code.