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IT FDN 130

Module 7

Github: [jwarrend/DBFoundations-Module07 \(github.com\)](https://github.com/jwarrend/DBFoundations-Module07)

## Module 7: Functions

### Introduction

In this paper, I will be talking about Functions and when it is appropriate to use the different functions. These include: Scalar, inline, and multi statement functions.

### User Defined functions

User defined functions are custom functions built in SQL. These can be used to bring back a single row of data or a table of data.

### Scalar Functions

A scalar function can be used to return a single value as an expression. This must include the schema name in SQL.

### Inline Functions

An inline function is a table expression that can accept parameters, perform an action and provides it as return table.

### Multi Statement Functions

An multi statement function is a table function that returns the results of multiple statements. In order to use, the values must be returned as a table.

### Summary

Functions are very useful for storing code especially code that is reported. They can also help generate reports and help refine data.