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Assignment 7 Document your knowledge- *A writeup*

Introduction

Hello and thank you for reading my paper. I will be answering some questions you might have and discussing some topics that are important. Read on for a written adventure.

Explain when you would use a SQL UDF.

SQL User-Defined Functions, commonly abbreviated by the 3 letters, UDF - are simply put, used to give more customizable functionality to the creator. Currently, the SQL language has specific functions that are pre-programmed into the language. Sometimes the user/coder wants to accomplish a specific task repeatedly that isn't part of the pre-programmed language. So a user/coder can create a UDF to encapsulate that specific functionality so it can be repeated easily. This removes copy and pasting, as well as shortening the code - making it easier to read and decode if needed.

Explain the differences between Scalar, Inline, and Multi-Statement Functions.

The scalar, inline, and multi-statement functions are all UDFs, but are different in the following ways. Scalar functions return a single value. Inline functions return a table and have a single select statement. Multi-statement functions return multiple tables and select statements.

Summary

In summary, what I've taken the most away from this module is that you can make your code cleaner and easier to write if you have a specific functionality that is used repeatedly and put into a UDF. The world of coding seems to truly be limitless.

https://github.com/onevince/DBFoundations-Module07.git