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Foundations Of Databases & SQL Programming

Assignment 7

https://github.com/taylorp73/DBFoundations-Module07

Functions

Introduction

This week, we've learned about functions. In the summary below, I will discuss user-defined functions,

and explain the differences between scalar, inline, and multi-statement functions.

User-Defined Functions

User-defined functions allow users to create custom functions in SQL. They are commands to return a

set of values in a database and are tools to return calculations as values (Aggregate Functions, 2022).

Scalar, Inline, and Multi-Statement Functions

Scalar functions pull a single data point in the database (SQL Server Programming..., 2013). Tabular

functions can show a table within the database. Both inline and multi-statement functions are tabular.

However, an inline function will only use one select statement whereas a multi-statement function will

use multiple. All of these are similar as they can be used to retrieve data within a database; however

they increase in complexity for the coding, with scalar functions being the most simple, followed by

inline, and then multi-statement.

Conclusion

To conclude, user-defined functions allow SQL developers to store calculations as values in SQL. These

functions include the three types described above.

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Sources

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