

Knowledge Questions

1. Explain when you would use SQL UDF.

I would use SQL UDF, when I create modulated reusable SQL UDF, in which I could create unique function to present calculated values, a table or function which takes parameters for generating different results. Additionally, SQL UDF can be secured and modular for either a business or organizational application.

2. Explain are the differences between Scalar, Inline, and Multi-Statement Functions.
Scalar Functions SQL is used to create modular functions that return value of either int, varchar, or date. Scalar function takes different data types and variables to perform calculations; however, its performance is slow.

Inline Function is used to join or filter content of tables with SELECT Statement and return a new table.

Multi-Statement Function takes variables as input, which can be initiated with SELECT * From variable statement to provide a table represented in the variable. Additionally, use conditional statements such as CASE and IF conditions are common to sort and join data from different database tables. Just like Scalar and Inline function Multi-Statement can be used for modular reusable SQL script for certain applications.