**Week 05 Module 5.2**

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CSD310-O307 Database Development and Use (2253-DD)

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1. CURRENT\_USER Function

The function returns the combination of the username and host name for the SQL account that the server used to authenticate the current client. It is used to track which user is running a query. – Alias: `Authenticated\_User`

SQL Statement:

SELECT CURRENT\_USER() AS Authenticated\_User;

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https://www.w3schools.com/sql/func\_mysql\_current\_user.asp

2. LENGTH() Function

The LENGTH() function returns the length of a string in bytes. It validates data length or ensures data fits within specified limits. It is useful for enforcing constraints on data like user inputs. Using LENGTH(), checks and validations can be made to maintain data consistency and prevent errors.

- Alias: 'String\_Length'

SQL Statement:

SELECT LENGTH ('Hello, World!') AS 'String\_Length';

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https://www.w3schools.com/sql/func\_mysql\_length.asp

3. CONCAT() Function

The CONCAT() function concatenates two or more strings into one. It combines fields like first and last names and can be useful for creating full addresses from separate streets, city, and state fields.

- Alias: 'Full\_Address

SQL Statement:

SELECT CONCAT (1231 Road, ' ', 'SW 281', ' ', 'MW') AS 'Full\_Address;

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https://www.w3schools.com/sql/func\_mysql\_concat.asp