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CSD 310

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Module 5.2 MySQL Functions

1. Preparing Mock Database.

Commands Used:

* Several mistakes in syntax before and after – so I used mysql> \! Cls also to clear my command log
* CREATE DATABASE user\_info;
* USE user\_info;
* Then CREATE TABLE and Collumns:
  + mysql> CREATE TABLE users (

-> id INT AUTO\_INCREMENT PRIMARY KEY,

-> first\_name VARCHAR(50),

-> last\_name VARCHAR(50),

-> email VARCHAR(100)

-> );

* Adding Mock Data for commands to work:

INSERT INTO users (first\_name, last\_name, email) VALUES ('Joe', 'Huffer', 'joe.fakeemail@example.com');

INSERT INTO users (first\_name, last\_name, email) VALUES ('Courtney', 'Huffer', 'courtney.fakeemail@example.com');

Screenshot of Mock Database:

A black screen with white text

Description automatically generated

1. Commands researched and used:
   1. CONCAT() – Which adds two or more expressions together.

Command used: SELECT CONCAT(first\_name, ' ', last\_name) AS full\_name FROM users;

Screenshot CONCAT() Command:  
A screenshot of a computer program

Description automatically generated

* 1. LOWER() – Which converts a string to lower-case.

Command used: SELECT LOWER(email) AS email\_lower FROM users;

Screenshot of LOWER() Command

A screenshot of a computer

Description automatically generated

* 1. LENGTH() – Which returns the length of a string (in bytes).

Command Used: SELECT first\_name, LENGTH(first\_name) AS first\_name\_length FROM users;

Screenshot of LENGTH() Command Used:

A screenshot of a computer

Description automatically generated