

Course 1: Section 4- MySQL Skill Assessment:

First, I started by listing out all commands for the prompt in a VSC MySQL file, which helps with syntax highlighting, but *not* too many hints for syntax errors. So many errors at first: simple things like not including parens when doing an INSERT or not noting that MySQL DATE and TIME types still require single quotes when being passed values.

Using Powershell, I navigated to a project folder, started the MySQL CLC, and created a new Database for “Henna Solutions”. I then created two tables, each with some appropriate fields. I tried to use some advanced features like DEFAULT values, NOT NULL, AUTO_INCREMENT, and DATE and TIME types. I then used a FOREIGN KEY statement to relate one database to the other. In the Client_meetings table, there should be a cid owner for the meeting. Interestingly it *can* be left as NULLable meaning you dont *have* to input a value despite it being linked to a Primary Key of another Table. This should be expected: The primary key for THIS table was the meeting ID, ‘mid’.

I then performed a series of INSERT queries to add Clients, and Client Meetings, using various syntax. I UPDATED meetings and displayed the changes, I DELETED a meeting, and I used SELECT to display various partial results from tables, including using conditionals to retrieve specific data. These operations tested all 4 of the key CRUD ops, Create, Read, Update, and Delete.

MySQL does a *terrible* job when giving errors. At best giving you a line number the error might be on, but this may even be incorrect. Simple typos like a missing comma caused me to become stuck for several minutes.