Exploring MySQL with Codio

By Stephen Johnson

The following are three screenshots (A, B, and C) which a new database, a table, and a second field into the table were created with the query language, SQL, with Codio as an environment.

A screenshot of a computer program

Description automatically generated with medium confidence (A)

After opening the SQL Lab Environment terminal, I typed ‘**MySQL**’ for file permissions, typed ‘**chmod +x change\_perm.sh**’ (afterwards pressing ***ENTER***), then ‘**./change\_perm.sh’** (*ENTER*), typed ‘mysql’ (***ENTER***), typed ‘create database *YOUR LAST NAME*;’ in this case I used my last name: **Johnson** (***ENTER***). The input must be exact or there will be an error message. Then, I typed ‘**show databases;**’ (***ENTER***), typed ‘use *YOUR LAST NAME*;’, which my last name was used: **Johnson**. (***ENTER***). This created a new database with our last name.

A screenshot of a computer

Description automatically generated(B)

For this second screenshot, I typed ‘**create table tb2 (user\_id VARCHAR( 50 ));**’ (***ENTER***), typed ‘**show tables;**’ (***ENTER***), and finally typed ‘**describe tb2;**’ (***ENTER***). Doing this created a table and described a field within the table.

A screenshot of a computer program

Description automatically generated with medium confidence(C)

For the final screenshot, I typed ‘**alter table tb2 add newfield VARCHAR(25);**’ (***ENTER***), then typed ‘**describe tb2;**’ (***ENTER***). This adds a second field to the table as well as describing the table.