Assignment 7: DB Connection

For this assignment I used node.js in visual studio code to connect to my database and make queries. Inside VSC my first step required me to download and install the mysql module using NPM or node package manager. Once installed I can now create my connection to my database.

Graphical user interface, text

Description automatically generated

The code for this connection is very straight forward, creating a mysql variable for the connection variable along with the necessary parameters required to access our database. Below is the connect function.

Graphical user interface, text

Description automatically generated

This function uses the connect variable along with the ‘.connect’ method that prompts us with a “Connected!” output message if we’ve successfully connected or the corresponding error if anything is hindering us from connecting. Initially, when attempting to connect, I had some errors with my port and password. Looking online, I found others with similar errors that I was receiving. Luckily someone posted a solution to those errors. First, I changed my port number from 3308 🡪 3306. Then I had two queries to run inside mysql workbench (highlighted below). The first query basically reset my username and password, followed by a query refreshing the database privileges. After these steps I was able to successfully connect to my database.

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'password';

flush privileges;

After connecting I could then insert the desired queries inside the connect function. Below I inserted the ‘select \* from characters’ query selecting from one of my tables in my database.

Graphical user interface, application

Description automatically generated

Below shows the successful connection output along with a snippet of my query output.

Text

Description automatically generated