Assignment 7

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In order to connect to the database via web application, node.js was used. The modules mysql2 and fs were utilized. The figure below shows the code for both the modules used.

Graphical user interface, text

Description automatically generated

An SQL connection was created with the host, user, and database being hardcoded. The figure below shows the code for the creation of the SQL connection.

Text

Description automatically generated

The password was written into a text file and is obtained using file system (fs) read file sync. While this is not inherently secure, it does provide the ability to record a Flipgrid without all the viewers seeing the password directly. The figure below shows the code for function readPass, which utilizes the fs module to read in the password.

Text

Description automatically generated with medium confidence

The connection is confirmed due to the lack of error that is thrown when running. The figure below shows the code for the connection attempt. It shows the if statement that would trigger an error to be thrown if there was an error connecting.

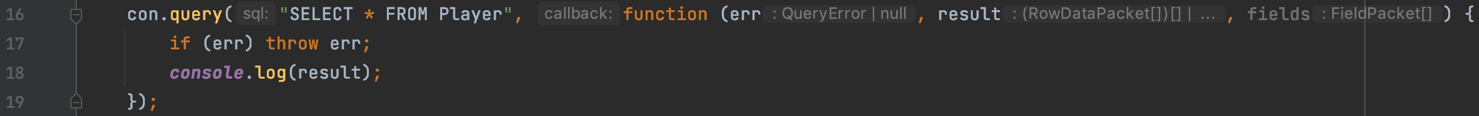


The figure below shows the lack of error being thrown after the JavaScript file was ran with node, confirming successful connection.

Text

Description automatically generated

Two queries are ran to further prove the connection status. The figure below shows the code for the simple query ran. It utilizes the query function of the connection variable, con.



The figure below shows part of the result of the simple query.

Text

Description automatically generated

The figure below shows the code for the complex query ran. It utilizes the query function of the connection variable, con.

Text

Description automatically generated

The figures below show the result of the complex query.

Text

Description automatically generatedText

Description automatically generated