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CSD 310 – Assignment 4.2

A screenshot of a computer

Description automatically generated

My first installation attempt I followed the instructions on the site listed and I got it installed and could start the service but it failed to add things to PATH and was being kind of annoying then I stumbled into a listing of installing it through homebrew and as soon as I ran that installation everything just worked! So my advice is if you’re on a mac just use homebrew.

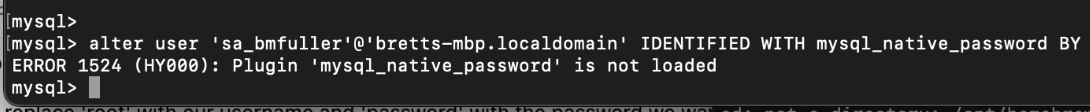
A screen shot of a computer program

Description automatically generated

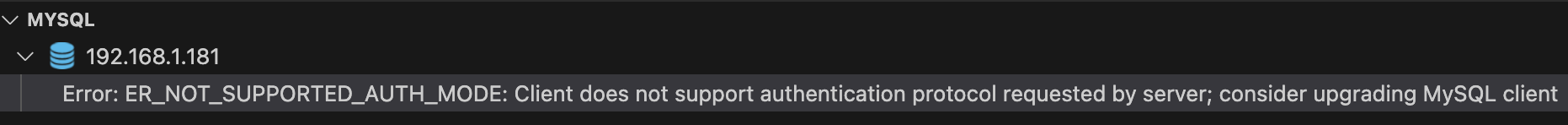
A black screen with a white text

Description automatically generated

I should note I tried to insall the recommended extension for vsCode but in order for it to work I would have to down grade the version of MySQL and then use an older no longer supported authentication method for the connection to work. In order to connect to MySQL it is requiring me to use the command shown below for the supported authentication protocol.



Unfortunately as you see here the mysql\_native\_password has been deprecated and therefore is no longer a valid option with modern versions of MySQL. Which leads to the following error when I try to authenticate.



The extension links to the github page for the project and under the issues list there is the following issue. <https://github.com/formulahendry/vscode-mysql/issues/193> This issue lists the solution as the command I used on the database that led to the plugin not loaded message and further research led me to this thread <https://stackoverflow.com/questions/78938322/mysql-authentication-plugin-issues-on-macos> This thread states that this auth method was completely removed from 9.x versions so it is definitely a dead end.

I am currently running the lts release of 8.4.3 on MacOS not even a 9.x version so I did a little more research and found the following excerpt from dev.mysql.com “Beginning with MySQL 8.4.0, the deprecated mysql\_native\_password authentication plugin is no longer enabled by default. To enable it, start the server with [--mysql-native-password=ON](https://dev.mysql.com/doc/refman/8.4/en/server-options.html#option_mysqld_mysql-native-password) (added in MySQL 8.4.0), or by including mysql\_native\_password=ON in the [mysqld] section of your MySQL configuration file (added in MySQL 8.4.0).” I kind of stopped here because while I could start this service this is something that I would not do in a production environment and even though this is for education and the server will not house any important information I would much rather learn the right way to do things, and this does not seem like the right way. So now I am kind of at a loss for a way forward. Is this communication method going to be required for future work in this class? Do I need to enable the deprecated plugin to allow for the older insecure hashing algorithm for passwords? I would appreciate any guidance you have on the necessity of this authentication method for the work we will be doing in this class.

**References**

MySQL. (n.d.). *MySQL :: MySQL 8.4 Reference Manual :: 1.4 What Is New in MySQL 8.4 since MySQL 8.0*. MySQL :: Developer Zone. Retrieved November 17, 2024, from https://dev.mysql.com/doc/refman/8.4/en/mysql-nutshell.html