

# CoC MySQL Server Access

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For CS 4400, you've been given access to a MySQL server instance operated by the College of Computing. (You *may* need to be on VPN.)

Here's how to access the server.

## 0. Get an SSH client

macOS and Linux come with an SSH client built in to the Terminal. Windows users will need to download [PuTTY](#).

## 1. Connect to the CoC server

### macOS and Linux

To connect to the CoC server from macOS or Linux, run the following command in the terminal:

```
ssh gtusername@academic-mysql.cc.gatech.edu
```

replacing **gtusername** with your GT username (e.g. gburdell3). When prompted for a password, enter your GT password. (NOTE: The terminal will probably remain blank when you enter your password, for security reasons.)

### Windows

For PuTTY on Windows, use the hostname: **academic-mysql.cc.gatech.edu**. When prompted for a username, enter your GT username. When prompted

for a password, enter your GT password.

## 2. Find your MySQL login information

Run the following command:

```
less README
```

Use the arrow keys to read the entire document. Your MySQL server account information will be listed at the bottom of the file.

## 3. Connect to the MySQL database instance

If you're familiar with connecting to a MySQL database, you can connect to the instance using the hostname **academic-mysql.cc.gatech.edu** and the username and password in the README file.

If you're not familiar with this, I recommend using the phpMyAdmin installation on the CoC server. To access this, visit <https://academic-mysql.cc.gatech.edu/phpmyadmin>.

**Note:** You may get a warning that the connection is insecure. This is (unfortunately) expected and there's nothing we, the CS 4400 TAs, can do about. You should tell your browser to allow connecting anyway. This might be hidden behind a "View Details" or "Show More" button.

### Google Chrome

This website does not work in Google Chrome due to the security issue mentioned above. Use one of the other browsers listed below.

## Safari (macOS High Sierra and macOS Sierra)

Click "Show Details." Then, click the hyperlink labeled "visit this website."  
Enter your computer password to trust the website in the future.

## Microsoft Edge (Windows 10)

Click on "Details" and then click "Go on to the webpage."

## Firefox (version 56)

Click "Advanced." Then click "Add Exception...", then click "Confirm Security Exception."

When prompted for a username and password, **use the information from the README file.**

On the left side, click on "cs4400\_Group\_XX" – this is your database. To run SQL queries on the database, click on the "SQL" tab.

## Important Information about Constraints

To ensure that all constraints are enforced properly, at the end of your **CREATE TABLE** statement, append the string **ENGINE = InnoDB**.

For example,

```
CREATE TABLE example (  
    name VARCHAR(50) PRIMARY KEY  
) ENGINE = InnoDB;
```