

Database Server:

buffet.cs.clemson.edu

- ✚ We have <https://buffet.cs.clemson.edu> setup as a self-service web site in place that will allow you to **create your own databases** (MySQL or Postgres). You will need to give a name to the database and create a password for you (as the main user); the system will give you instructions how to use the database from the command line of any CS Linux machine (it will give an unique name to the database, you just created and an unique username for you for that database). You can also grant access to instructor or TA or other friends at your own risk (depending on what kind of access you'd grant).
- ✚ Access into these databases is setup via command line from any of our School of Computing lab machines (direct instructions are given on buffet.cs.clemson.edu upon creation).
 - You can also access the database through phpmyadmin using the link: <https://www.cs.clemson.edu/phpmyadmin>. Make sure you use the correct username and password for the specific database.

How to Start using MySQL?

- ✚ **Connecting to the server:**
 - Assume I have created an empty database [I gave it a name "example"; buffet returned me **example_pu77** as the unique name of the database and **example_1wn2** as my unique username on the database. I go to my working directory and use the following command to connect to the MySQL server.
shell> **mysql -h mysql1.cs.clemson.edu -u example_1wn2 --local-infile=1 -p example_pu77**
 - Enter password: ***** [Use the password you got from buffet for this database, NOT your Unix password; in the command line -u option is for username of the specific database, -p option is for the name of the database and --local-infile=1 option is to enable the user to load data from local files].
 - Welcome to the MySQL monitor. Commands end with ; or \g.
 - Your MySQL connection id is 25338 to server version: 5.1.21-beta-standard
 - Type 'help;' or '\h' for help. Type '\c' to clear the buffer.
 - mysql>
- ✚ **Disconnecting from the server: After you have connected successfully, you can disconnect any time by typing QUIT (or \q) at the mysql> prompt:**
 - mysql> QUIT
 - Bye
- ✚ **Entering Queries:**
 - mysql> SELECT VERSION(), CURRENT_DATE;
 - +-----+-----+
 - | VERSION() | CURRENT_DATE |
 - +-----+-----+
 - | 5.1.2-alpha-log | 2005-10-11 |
 - +-----+-----+
 - 1 row in set (0.01 sec)
 - mysql>
- ✚ **Change password:**
 - mysql> set password = password("XXXXXX");
 - Query OK, 0 rows affected (0.00 sec)
 - mysql> quit
 - Bye

Creating and Using a Database: Create a database [Need to use buffet]; create tables, load data into tables and retrieve data from tables to answer SQL queries. We will email you a zip file for an example database (menagerie-db.tar.gz) to get you started (unzip it in your working directory; there is a readme file which you will need to revise slightly). Get started, the sooner the better, trust me.