Invoking MySQL – client

1. Navigate to /usr/local/mysql/bin
2. Start MySQL: ./mysql -u root -p
3. Enter the password: Vik01ing. Note the userid is root
4. To see the databases: show databases;
5. Command + K clears the terminal
6. To create a database: CREATE DATABASE game\_info300;
7. To use a database: USE game\_info300;
8. To create a table: CREATE TABLE game\_tbl ( game\_number INT NOT NULL PRIMARY KEY, number\_to\_guess INT NOT NULL);
9. To see the tables: SHOW TABLES;
10. To insert a row: INSERT INTO game\_tbl (game\_number, number\_to\_guess) VALUES (72, 70);
11. Normal select: SELECT \* FROM game\_tbl;
12. To exit: quit

To use an environment variable, to store the userid, password, etc.

1. Create a .env file
2. Install dotenv in order to read in the environment variable: npm install dotenv
3. Install mysql2 in order to access the database: npm install mysql2
4. I have a .env file and a database file in:

* /Users/mcgarrymichaeltgenworth/nodefiles/new node
* To use the AWS database: DB\_HOST should be set to the endpoint of the database.

To install MySQL on a Ubuntu instance

1. Update the system files: sudo apt update
2. Install MySQL: sudo apt install mysql-server
3. Confirm mysql is active: sudo systemctl status mysql
4. Login to mysql as root: sudo mysql
5. To update the password: ALTER USER ‘root’@’localhost’ IDENTIFIED WITH mysql\_native\_password BY ‘place-your-password-here’;
6. To update the privileges: FLUSH PRIVILEGES;