**MySQL Database**

SHOW DATABASES;

Creating a database is very easy:

CREATE DATABASE database name;

delete a MySQL database with this command:

DROP DATABASE *database name*;

## MySQL Table

open up the database we want to use:

USE somedatabase;

overview of the tables that the database contains.

SHOW tables;

create a new MySQL table:

CREATE TABLE potluck (id INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(20),

food VARCHAR(30),

confirmed CHAR(1),

signup\_date DATE);

table’s organization with this command:

DESCRIBE potluck;

## Row

insert information into each row:

INSERT INTO `potluck` (`id`,`name`,`food`,`confirmed`,`signup\_date`) VALUES (NULL, "John", "Casserole","Y", '2012-04-11');

delete rows from the table with the following command:

DELETE from [table name] where [column name]=[field text];

take a look at our table:

mysql> SELECT \* FROM potluck;

**update** that in the table.

UPDATE `potluck`

SET

`confirmed` = 'Y'

WHERE `potluck`.`name` ='Sandy';

## Add and Delete a Column

**add** this column:

ALTER TABLE potluck ADD email VARCHAR(40);

place that column in a **specific spot** in the table.

ALTER TABLE potluck ADD email VARCHAR(40) **AFTER name**;

**delete** one as well:

ALTER TABLE potluck **DROP** email;

## Import and Export Databases

open up terminal, making sure that you are **not logged** into MySQL and type,

mysqldump -u [username] -p [database name] > [database name].sql

### Import

To import a database, first create a new blank database in the MySQL shell to serve as a destination for your data.

CREATE DATABASE newdatabase;

Then **log out** of the MySQL shell and type the following on the command line:

mysql -u [username] -p newdatabase < [database name].sql

**mysqlslap**

can emulate a large number of client connections hitting the database server at the same time. Load test a database.

<https://www.digitalocean.com/community/tutorials/how-to-measure-mysql-query-performance-with-mysqlslap>