GROUP BY - Used with aggregate functions (COUNT, MAX, MIN, SUM, AVG) to group the result-set by one or more columns

<u>Ex. 1</u>

```
SELECT column_name(s) /* basic CREATE DATABASE format */
FROM table_name
WHERE condition
GROUP BY column_name(s)
ORDER BY column_name(s);

SELECT COUNT(PlanetId), Galaxy
FROM Universe
GROUP BY Galaxy
```

BETWEEN - selects values within a given range. The values can be numbers, text, or dates.
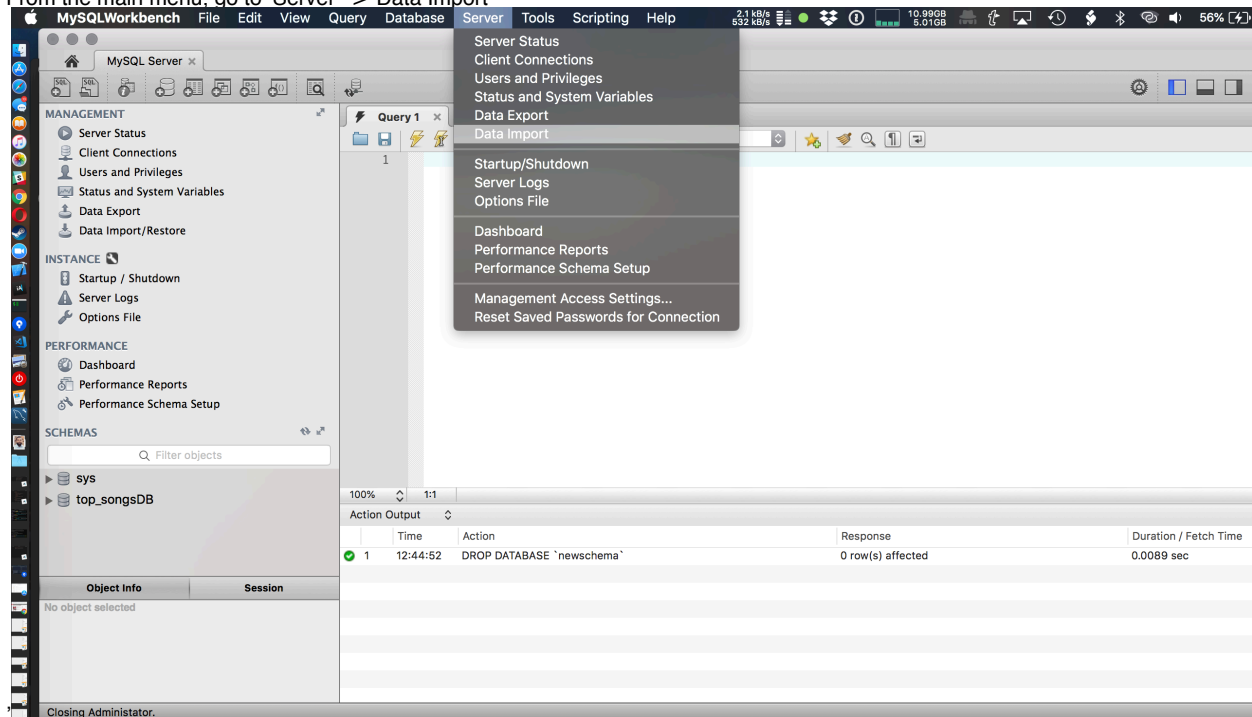
<u>Ex. 2</u>

```
SELECT column_name(s) /* basic CREATE DATABASE format */
FROM table_name
WHERE column_name BETWEEN value1 AND value2;

SELECT * FROM University
WHERE Championships_won BETWEEN 20 AND 50;
```
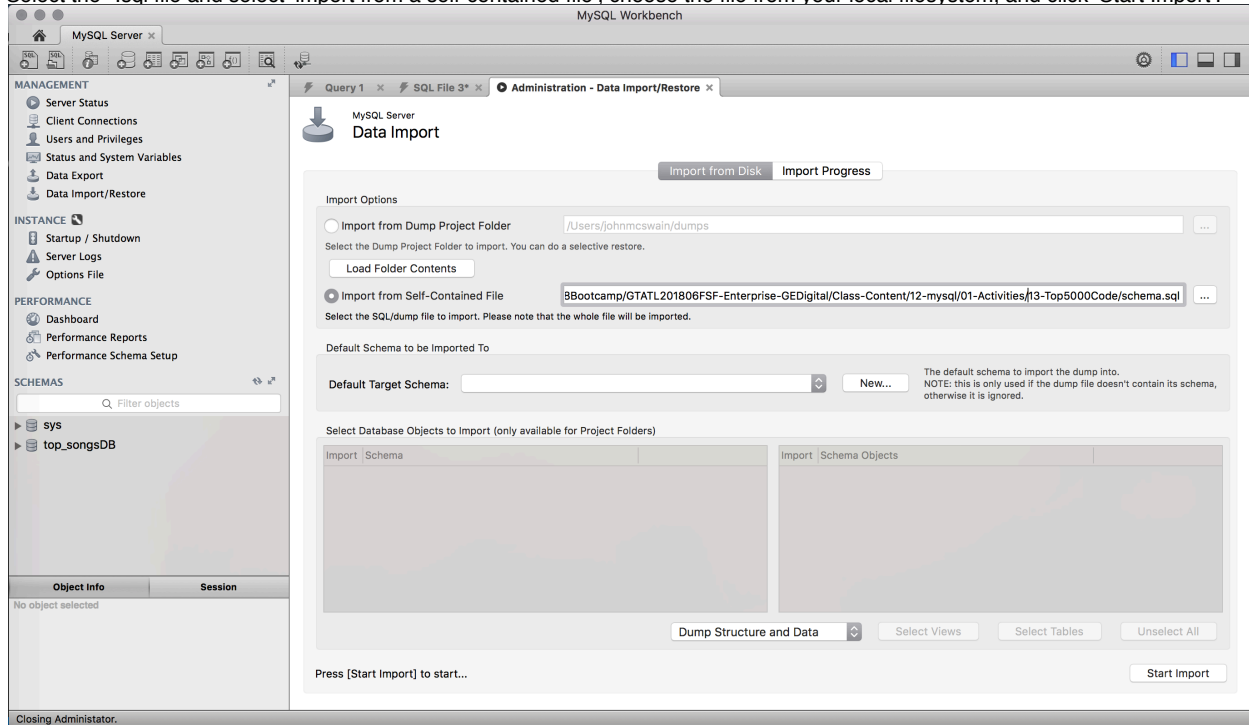
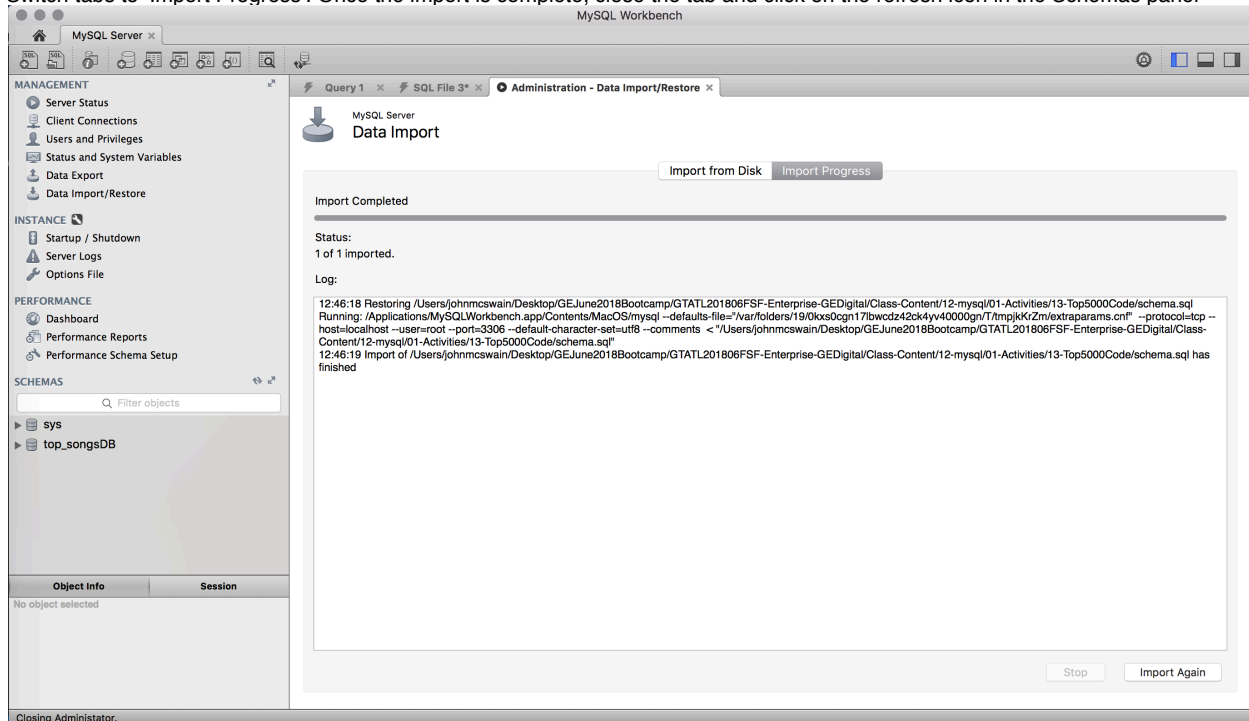## Importing Schema files into MySQL Workbench

From the main menu, go to 'Server' -> 'Data Import'

Select the *.sql file and select 'import from a self-contained file', choose the file from your local filesystem, and click 'Start Import'.

Switch tabs to 'Import Progress'. Once the import is complete, close the tab and click on the refresh icon in the Schemas panel

Click the Schema refresh icon to see the new database
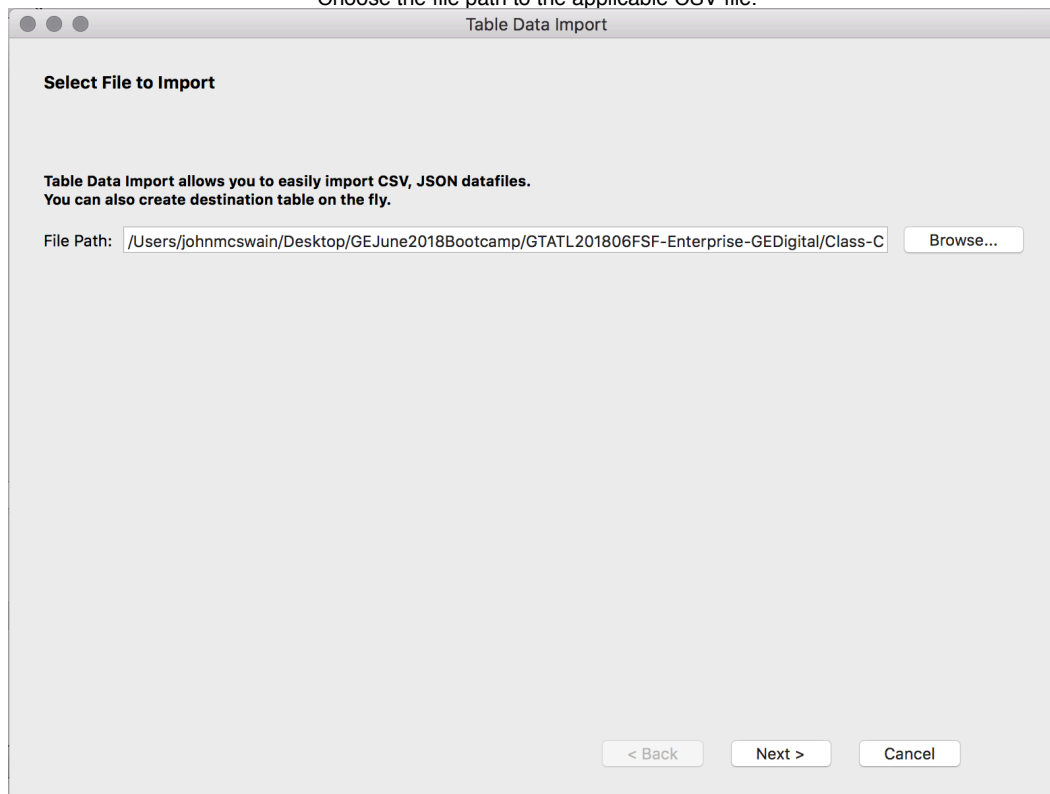
Importing CSV files into a MySQL table

Click the csv/data import icon
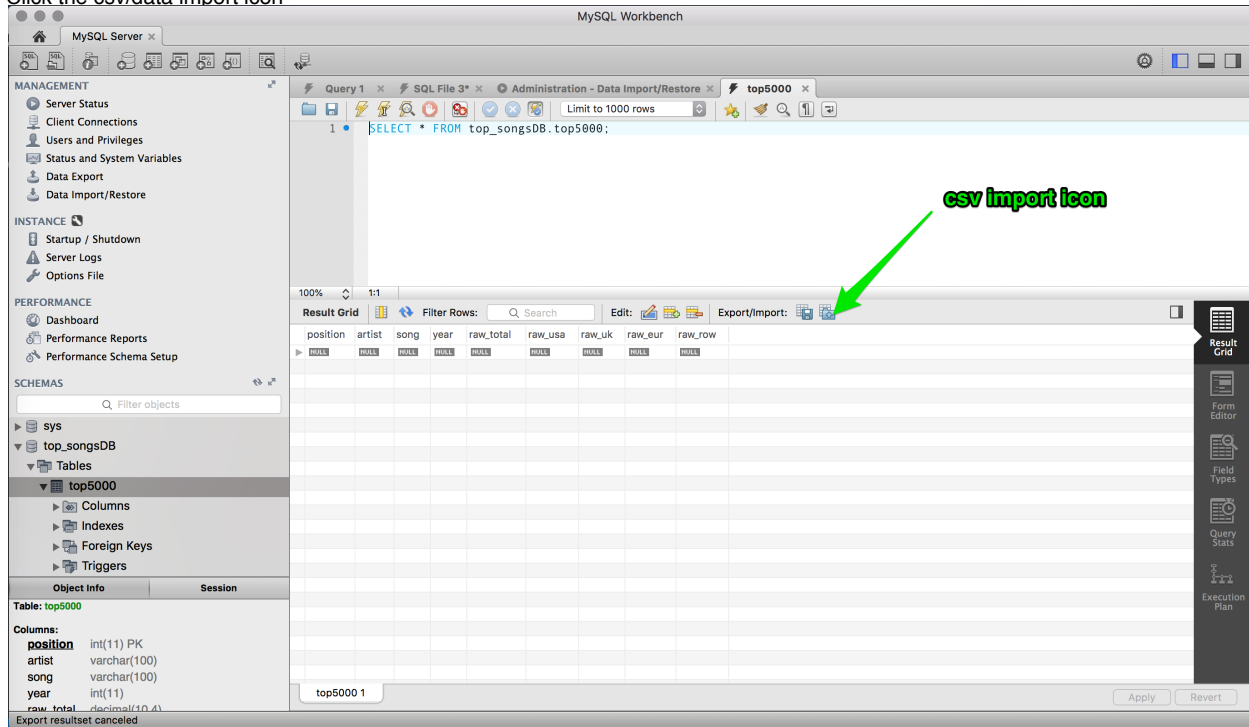
Choose the file path to the applicable CSV file.

Choose 'Use existing table' and click 'Next'

Table Data Import

Select Destination

Select destination table and additional options.

○ Use existing table: top_songsdb.top5000

○ Create new table: top_songsDB . top5000

☐ Truncate table before import

< Back   Next >   Cancel

Review column assignments and click 'Next'

Table Data Import
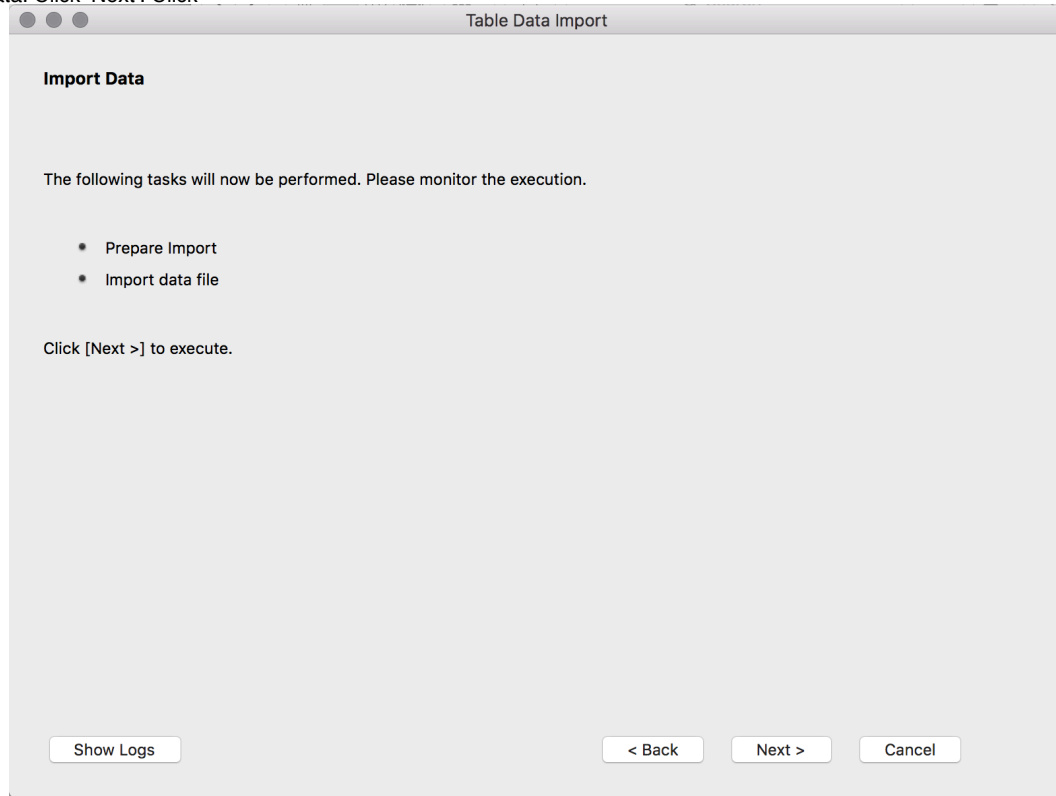
Configure Import Settings

Detected file format: csv   —

Encoding: utf-8

☑	Source Column	Dest Column
☑	1	position
☑	Bing Crosby	artist
☑	White Christmas	song
☑	1942	year
☑	39.903	raw_total

1		Bing Crosby	White Christ...	1942	39.903	23.929	5.7	2.185	0.54
2		Bill Haley...	Rock Aro...	1955	36.503	19.961	7.458	5.663	0.76
3		Celine Dion	My Heart...	1998	35.405	12.636	8.944	23.701	3.61
4		Sinead O'...	Nothing...	1990	35.135	14.582	10.242	23.747	2.733
5		The Beatl...	Hey Jude	1968	34.442	25.545	16.39	16.541	1.51

< Back   Next >   Cancel

Import Data. Click 'Next'. Click '

Table Data Import

Import Data

The following tasks will now be performed. Please monitor the execution.

- Prepare Import
- Import data file

Click [Next >] to execute.

Show Logs   < Back   Next >   Cancel

Click 'Finish' when the 'Import Results' screen appears

Table Data Import

Import Results

File /Users/johnmcswain/Desktop/GEJune2018Bootcamp/GTATL201806FSF-Enterprise-GEDigital/Class-Content/12-mysql/01-Activities/1

Table top_songsdb.top5000 has been used

5000 records imported

< Back   Finish   Cancel