Mysql server

brew services start/restart/stop mysql

Import csv file and build staging table

Edit: *sudo nano /etc/my.cnf*

*[mysqld]*

*secure-file-priv=/Users/yannonghuang/Desktop*

* pointing to directory where csv file is located.
* Make csv files readable.

Set both mysql server and client to import csv file:

When launching mysql client, use: *mysql --local-infile=1 -u root -p*

After inside mysql client: *SET GLOBAL local\_infile=1;*

Staging table:

code,

name,

region,

startAt,

lastVisit,

stage,

request,

status,

survey,

description,

address,

phone,

email,

principal,

principalEmail,

principalCell,

principalWechat,

category,

studentsCount,

teachersCount,

kClassesCount,

g1ClassesCount ,

g2ClassesCount ,

g3ClassesCount ,

g4ClassesCount ,

g5ClassesCount ,

g6ClassesCount ,

kStudentsCount ,

g1StudentsCount ,

g2StudentsCount ,

g3StudentsCount ,

g4StudentsCount ,

g5StudentsCount ,

g6StudentsCount ,

mStudentsCount ,

boarderCount ,

stayBehindCount ,

computersCount ,

computerRoomExists,

computerRoomCount ,

internetExists,

multimediaSystemsCount ,

libraryExists,

bookCornersCount ,

booksCount

load

normal case:

LOAD DATA LOCAL INFILE '/Users/yannonghuang/Desktop/schools.csv' into table staging FIELDS TERMINATED BY ',';

When transformation is needed:

LOAD DATA LOCAL INFILE '/Users/yannonghuang/Desktop/schools.csv'

into table staging

FIELDS TERMINATED BY ','

(

code,

name,

region,

startAt,

lastVisit,

stage,

request,

status,

survey,

description,

address,

phone,

email,

principal,

principalEmail,

principalCell,

principalWechat,

category,

studentsCount,

teachersCount,

kClassesCount,

g1ClassesCount ,

g2ClassesCount ,

g3ClassesCount ,

g4ClassesCount ,

g5ClassesCount ,

g6ClassesCount ,

kStudentsCount ,

g1StudentsCount ,

g2StudentsCount ,

g3StudentsCount ,

g4StudentsCount ,

g5StudentsCount ,

g6StudentsCount ,

mStudentsCount ,

boarderCount ,

stayBehindCount ,

computersCount ,

@vComputerRoomExists,

computerRoomCount ,

@vInternetExists,

multimediaSystemsCount ,

@vLibraryExists,

bookCornersCount ,

booksCount )

*SET* computerRoomExists*:=* @vComputerRoomExists *=* '*TRUE*',

internetExists*:=* @vInternetExists *=* '*TRUE*',

libraryExists*:=* @vLibraryExists *=* '*TRUE*'

;

status ,

request ,

address ,

region ,

phone,

email,

principal,

principalCell,

principalWechat,

principalEmail,

description,

category,

studentsCount,

stayBehindCount,

boarderCount,

teachersCount,

kClassesCount,

g1ClassesCount,

g2ClassesCount,

g3ClassesCount,

g4ClassesCount,

g5ClassesCount,

g6ClassesCount,

kStudentsCount,

g1StudentsCount,

g2StudentsCount,

g3StudentsCount,

g4StudentsCount,

g5StudentsCount,

g6StudentsCount,

mStudentsCount,

computersCount,

computerRoomExists,

computerRoomCount,

internetExists tinyint(1) L,

multimediaSystemsCount,

libraryExists tinyint(1),

bookCornersCount,

booksCount,

insert into surveys(

createdAt,

updatedAt,

status ,

request ,

address ,

region ,

phone,

email,

principal,

principalCell,

principalWechat,

description,

category,

studentsCount,

stayBehindCount,

boarderCount,

teachersCount,

kClassesCount,

g1ClassesCount,

g2ClassesCount,

g3ClassesCount,

g4ClassesCount,

g5ClassesCount,

g6ClassesCount,

kStudentsCount,

g1StudentsCount,

g2StudentsCount,

g3StudentsCount,

g4StudentsCount,

g5StudentsCount,

g6StudentsCount,

mStudentsCount,

computersCount,

computerRoomExists,

computerRoomCount,

internetExists,

multimediaSystemsCount,

libraryExists,

bookCornersCount,

booksCount,

code

)

select

now() as createdAt,

now() as updatedAt,

status ,

request ,

address ,

region ,

phone,

email,

principal,

principalCell,

principalWechat,

description,

category,

studentsCount,

stayBehindCount,

boarderCount,

teachersCount,

kClassesCount,

g1ClassesCount,

g2ClassesCount,

g3ClassesCount,

g4ClassesCount,

g5ClassesCount,

g6ClassesCount,

kStudentsCount,

g1StudentsCount,

g2StudentsCount,

g3StudentsCount,

g4StudentsCount,

g5StudentsCount,

g6StudentsCount,

mStudentsCount,

computersCount,

computerRoomExists,

computerRoomCount,

internetExists,

multimediaSystemsCount,

libraryExists,

bookCornersCount,

booksCount,

code

from staging;

insert into schools(

createdAt,

updatedAt,

code ,

name ,

description ,

principal ,

region ,

address ,

phone ,

studentsCount ,

teachersCount ,

startAt,

stage ,

status ,

request ,

category ,

lastVisit

)

select

now() as createdAt,

now() as updatedAt,

code ,

name ,

description ,

principal ,

region ,

address ,

phone ,

studentsCount ,

teachersCount ,

MAKEDATE(startAt,1) as startAt,

stage ,

status ,

request ,

category ,

MAKEDATE(lastVisit,1) as lastVisit

from staging;

insert into users (

createdAt,

updatedAt,

email ,

chineseName ,

phone ,

wechat ,

title ,

contactOnly,

code

)

select

now() as createdAt,

now() as updatedAt,

principalEmail as email,

principal as chineseName,

principalCell as phone,

principalWechat as wechat,

‘校长’ as title,

1 as contactOnly,

code

from staging;

update surveys

set schoolId = (select id from schools where schools.code = surveys.code)

where id > 0 and

(select count(\*) from schools where schools.code = surveys.code) = 1

update users

set schoolId = (select id from schools where schools.code = users.code)

where id > 0 and (code is not null) and

(select count(\*) from schools where schools.code = users.code) = 1

update schools

set principalId = (select id from users where schools.code = users.code)

where id > 0 and

(select count(\*) from users where schools.code = users.code) = 1

update surveys

set principalId = (select id from users where surveys.code = users.code)

where id > 0 and

(select count(\*) from users where surveys.code = users.code) = 1