

Instructions to Setup MySQL Database

The following outlines the steps to create database, create **employees** table and load sample_employee data from a data file. The last statement validates the uploaded data by querying the employees table

STEP 1:

Open MySQL Workbench

STEP 2:

- Copy/paste the following group of lines in the workbench
- Highlight each gp of lines one at a time and click the leftmost 'lightning bolt' icon in the row of icons above the text area of the workbench You should see the result of that in the lower part of the workbench

Following 2 sql lines, terminated by ';' , create database named **CS413** in the MySQL Database and commit the changes

```
CREATE DATABASE CS413;
commit;
```

Following command tells MySQL to use the just created CS413 database for all subsequent SQL commands use CS413;

Following 2 sql lines, terminated by ';' are DDL statements that create a table called **employees** in the MySQL Database and commit the changes

```
CREATE TABLE Employees (id INT PRIMARY KEY AUTO_INCREMENT,first_name VARCHAR(45),last_name
VARCHAR(45),email VARCHAR(40),phone VARCHAR(20),sex VARCHAR(10),birthday VARCHAR(20),salary
DOUBLE,department VARCHAR(40));
Commit;
```

Following 2 sql lines, terminated by ';' load sample data in the above table and commit the changes

Before executing the following in the Workbench, replace the highlighted text and file name, that provides the path of the data file to be used in the following statement

```
LOAD DATA INFILE "/tmp/EmployeeData.csv" INTO TABLE employees FIELDS TERMINATED BY ',' LINES
TERMINATED BY '\n' IGNORE 1 LINES (first_name, last_name, email, phone, sex, birthday, salary, department) ;
commit;
```

Following SQL statement runs a basic query to show all employee data in the employees table

```
select * from employees;
```

Following DDL sql statement creates the user/roles tables used for the log in process

```
CREATE TABLE admin (userid VARCHAR(45),pwd VARCHAR(45));
Commit;
insert into admin(userid, pwd) values('kmehta', 'password');
commit;
```