**What you need for the homework**

1. You need to install MySQL Server 8.0.21 on your personal computer. First, you need to download MySQL Installer from <https://dev.mysql.com/downloads/mysql/> .
2. Choose you operating system.
   1. If you are using MacOS, download **macOS 10.15 (x86, 64-bit), DMG Archive**
   2. If you are using Windows, download **Windows (x86, 32 & 64 bit), MySQL Installer MSI**
3. Launch the MySQL Installer (Windows) or the .dmg image (MacOS). It will take a few seconds and show you all the installed MySQL products (In most cases, it will show you only the MySQL Workbench if that is the only MySQL product you have on your machine).

Table

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1. Click “Add” on the right. You will be asked to select product and features to install. From the available products in the left panel choose **MySQL Server 8.0.21** and push it to the right panel “Products/features to be installed”. Click **Next>** Graphical user interface, text, application

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2. Select the product to install and click **Execute**
3. Follow the instructions of the installer. You do not need to change any of the default configurations.
4. During installation you will be asked to set the root password. Please remember it or note it down.

**Connecting to your local MySQL server**

Launch MySQL workbench to establish a connection to your local MySQL server.

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**How to load data from a csv file to a table**

1. First you need to create a database schema
   1. **CREATE DATABASE** <give\_a\_name\_of\_your\_choice>;
   2. To use this database, execute **USE** <your\_database\_name>;
2. Within this database, create a table that using the **CREATE TABLE** command that has the same number of columns as the csv files. The column names of your table may or may not be same as the column headers of the csv file.

Now you have two options to load the csv file to the table. Option 1 is lightning fast. Option 2 is extremely slow. Treat Option 2 as a backup plan in case Option 1 fails.

**Option 1**

1. First, in MySQL Workbench execute the command
   1. **SHOW VARIABLES LIKE** 'secure\_file\_priv';
2. This will show you a path where you need to copy the csv file. For example, it will be like 'secure\_file\_priv', 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\'
3. Copy the csv file to this folder
4. In the MySQL workbench, execute the following command

**LOAD DATA INFILE** 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/TripAdvisor.csv'

**INTO TABLE** tripadivisordata

**FIELDS TERMINATED BY** ','

**OPTIONALLY ENCLOSED BY** '"'

**LINES TERMINATED BY** '\n' **IGNORE 1 LINES**

(@col1,@col2,@col3,@col4,@col5,@col6,@col7,@col8,@col9)

**SET** restaurant\_name=@col1,

restaurant\_rank=@col2,

score=@col3,

user\_name=@col4,

review\_star=@col5,

review\_date=@col6,

user\_reviews=@col7,

user\_restaurant\_reviews=@col8,

user\_helpful\_votes=@col8;

\*\*Note that the column names on the left side of ‘= ‘ should be the column names that you have in your table. Windows users please note the change of ‘\’ to ‘/’.

**Option 2**

1. On the left side of the MySQL Workbench window, you will see Navigator. Select the ‘Schema’ tab of the Navigator. You will see the database you created. Expand it and you will see Tables.
2. Right click on your table name and choose “Table Data Import Wizard”

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1. Select the csv file to import
2. Select the destination table which should be the table that you created.
3. Configure the import settings. Check the source columns and the destination columns. Any spurious columns must be unchecked.

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1. Click Next to start import.