**SQL Training**

Lab Guide



**Note: The screenshots are only for your reference. Your LMS may look different depending on your course content.**

This section will guide you to:

* Use labs for executing all the demos included in this course

**Step 1:** Login to Simplilearn LMS.

* Go to the respective course.
* Starting **Practice Labs** on LMS

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Choose **Practice Labs** to launch lab

**Step 2:** Click on **LAUNCH LAB**

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**Step 3:** The below given image is the **Practice Lab** window that shows **home page of MYSQL Workbench**.

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**Step 4:** Scroll down the page and click on **“Labsuser”.**

A screenshot of a computer

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Graphical user interface, text, application, email

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**Step 5:** To maximize the window, click on **maximize icon.**



**Step 6:** The below image is the SQL code editor, to write and execute code.

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**Step 7:** To run the code, select the **query** and click on **Run.**

**Run**

Graphical user interface, application

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**Query**

**Note:** To copy and paste the code from your local system, copy the code from any source file and paste it in the notepad or write the code in the notepad. And from the notepad copy the code and follow the below steps to paste in the lab query window.

**Step 8:** Open notepad in your local system andcopy orwrite **SELECT \* FROM PROD\_MASTER** code in the notepad.

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**Step 9:** To copy and paste the codein the query window, **copy the code** from the **notepad**.

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**Step 10:** Go to lab, press **ctrl+shift+all**.

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**Step 11:** **Paste the code** inside the **clipboard.**

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**Step 12:** **Copy the code** from the **clipboard**, and press **ctrl+shift+alt.**

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**Step 13:** Right-click on the query window**,** click on **paste.**

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**Step 14:** You will be able to see the code copied from the **notepad** to the **query window.**

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**Step 15:** To create a database, write **create database db** in the code and click on **run.**

**Run**

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**Query**

**Step 16:** To view the output and error details, **place the cursor between slide and bottom of the screen** as shown below and **drag towards the top**.

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**Step 17: You will be able to see the query status and output after the code is executed.**

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**Step 18:** To view created database or schemas, click on **Next icon.**

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**Step 19:** You will be able to see created databases or schema.

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**Step 20:** To create a table, write **CREATE TABLE PERSONS (ID INT);** in the code and click on **run.**

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**Step 21**: Download the datasets from the Course resources section, unzip and save the file in the local system.

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**Step 22**: To upload the dataset in the lab, click on any location such as **Desktop** and then select **Upload.**

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Graphical user interface, application

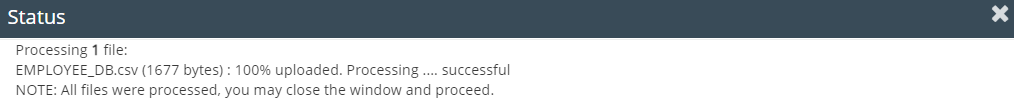
Description automatically generated

**Step 23:** From the datasets in your local system, choose **EMPLOYEE\_DB.csv** file and click on **Open.**

Shape

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**Step 24**: Once the dataset is uploaded status is shown, click on close icon.



**Step 25:** To upload dataset in the database, right click on **database name** then click on **Table Data Import Wizard.**

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**Step 26:** Click on **Browse** and select the **EMPLOYEE\_DB.csv** filein the location where you uploaded in step 11.

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**Step 27:** Select the**EMPLOYEE\_DB.csv** fileand click on **Open.**

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**Step 28:** Click on **Next** to upload dataset.

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**Step 29**: Click on **Drop Table if exists** and select **Next**.

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**Step 30:** You can verify the Source Column, Field Type and click on **Next.**

Graphical user interface

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**Step 31:** Click on **Next.**

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**Step 32:** You will be able to see the **tick mark** after the tasks are completed and click on **Next**.

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**Step 33:** You will be able to see the **total number of records imported** and click on **Finish**.

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**Step 34:** To view the imported records from the table, write **SELECT \* FROM EMPLOYEE** in the code editor and click on **run.**

Graphical user interface, logo

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**Step 35:** You will be able see the **EMPLOYEE\_DB table** as given in below image.

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**Step 36**: To export the dataset from table, right click on **PERSONS** and choose **Table Data Export Wizard.**

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**Step 37:** Click on **Next**.

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**Step 38:** Click on **Browse** and choose any location such as **Downloads** andgive **any file name of your choice** and click on **Save.**

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Graphical user interface, text, application, email

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**Step 39:** Then click on **Next.**

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**Step 40:** Again, click on **Next.**

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**Step 41:** Once it is downloaded, you will be able to see the below image and click on **Finish.**

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**Step 42:** Clickon **refresh** to see the exported files, click on **PERSONS DATA.csv** and select **download icon.**

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**Refresh**

Graphical user interface, application

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Download

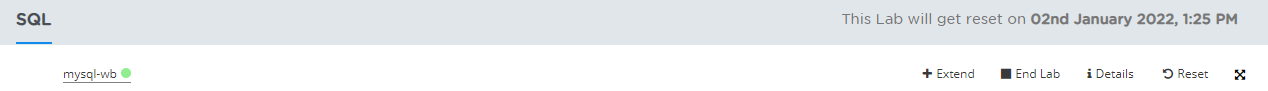
**Note:** You can check the downloaded file in your local system.

**Step 43:** You can check when the lab will reset using the below details.



**Note:** You can download the datasets in the table or schema before the lab resets by following the steps 26-32.

**Step 44:** After the completion of all the tasks, click on **End Lab.**



**Step 45:** Click on **Yes** to end lab.

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