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# SQL Training

Lab Guide



Get Certified. Get Ahead.

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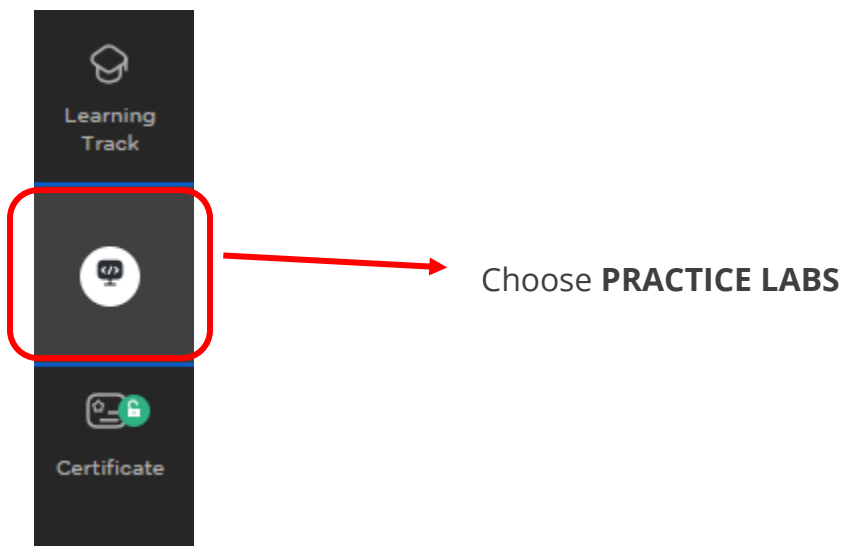
**Note: The screenshots are only for your reference. Your LMS may look different depending on your course's content.**

This section will help you:

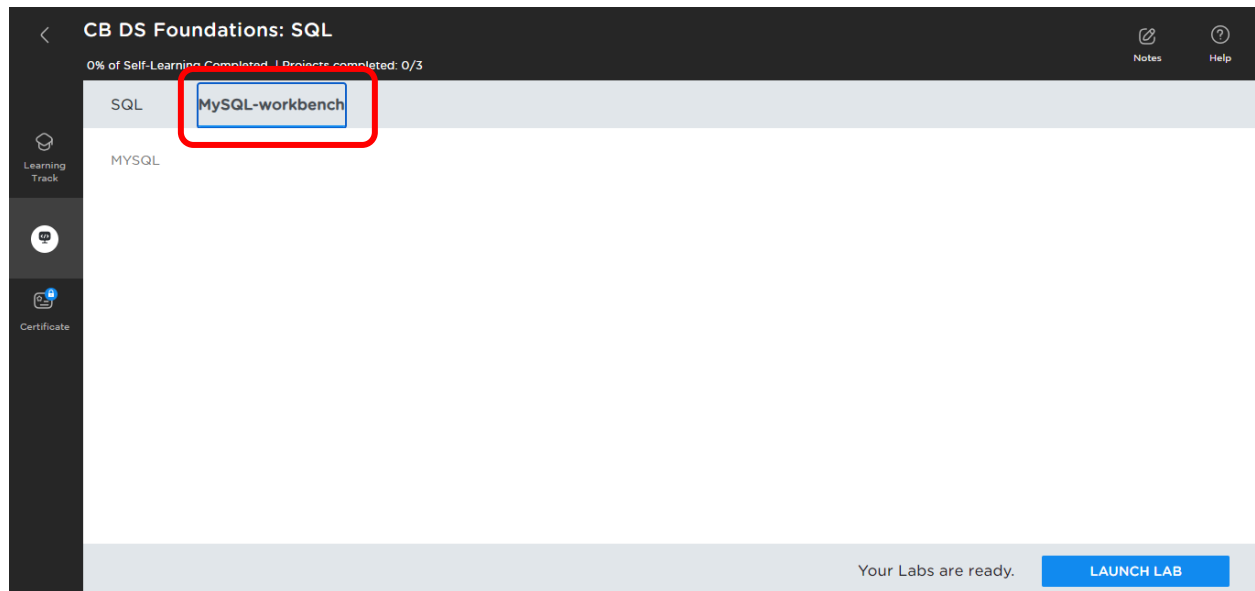
- Use labs to execute the demos included in this course

**Step 1:** Log in to Simplilearn LMS

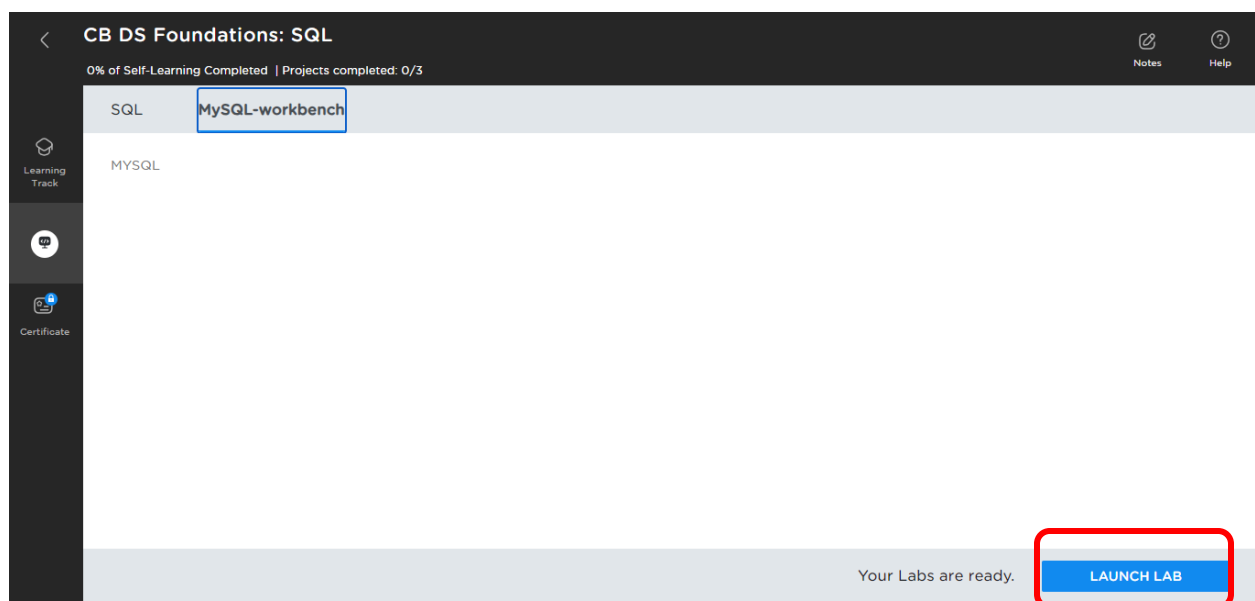
- Go to the course
- Click on **PRACTICE LABS** on the LMS



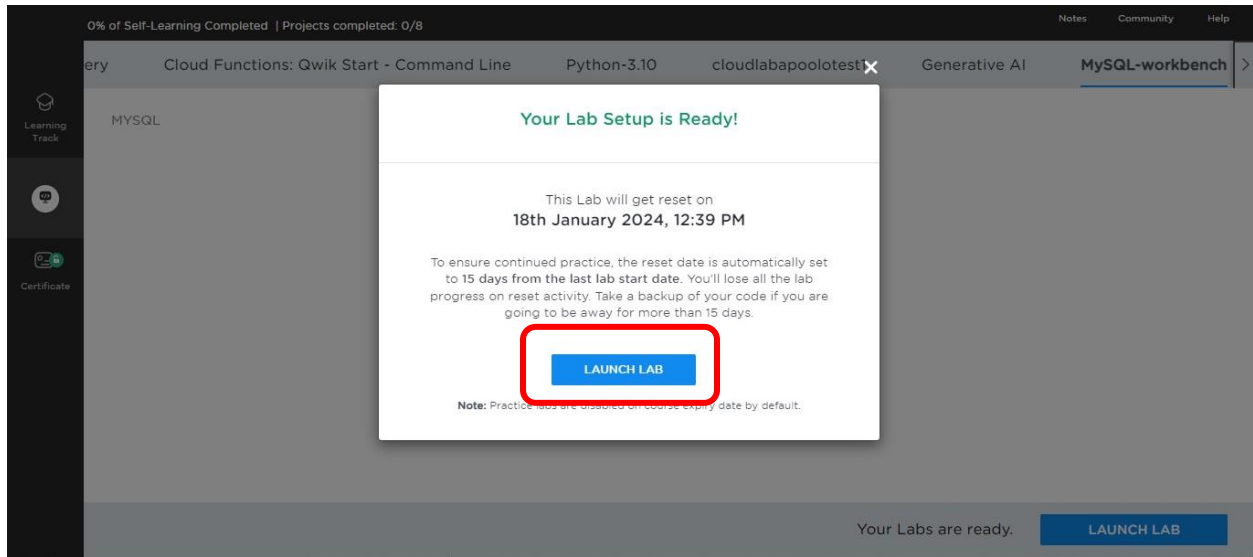
## Step 2: Go to MySQL-workbench



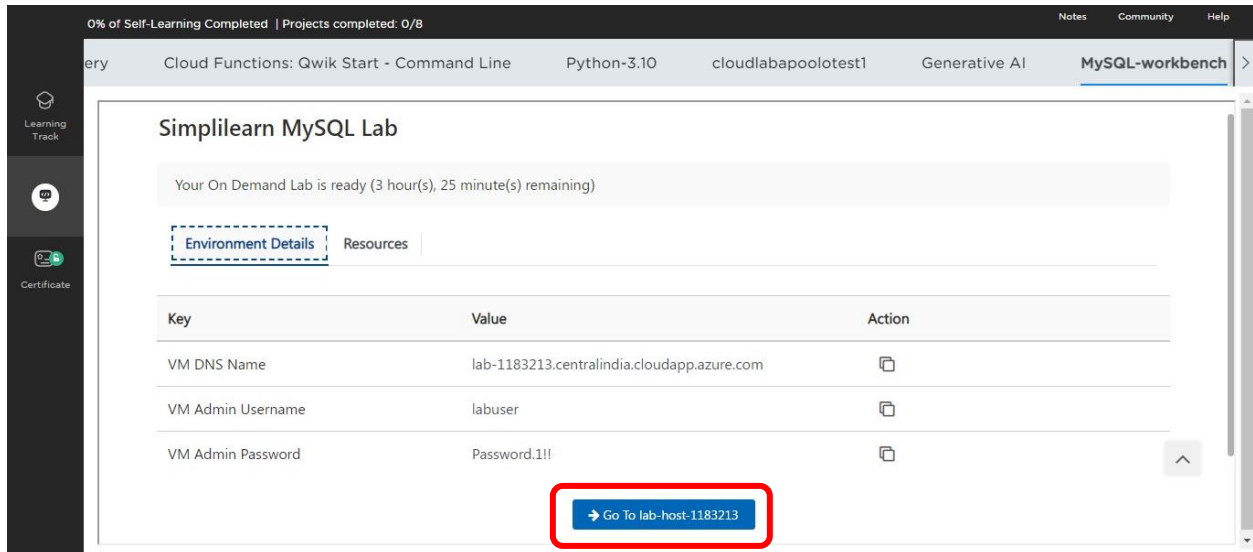
## Step 3: Click on LAUNCH LAB



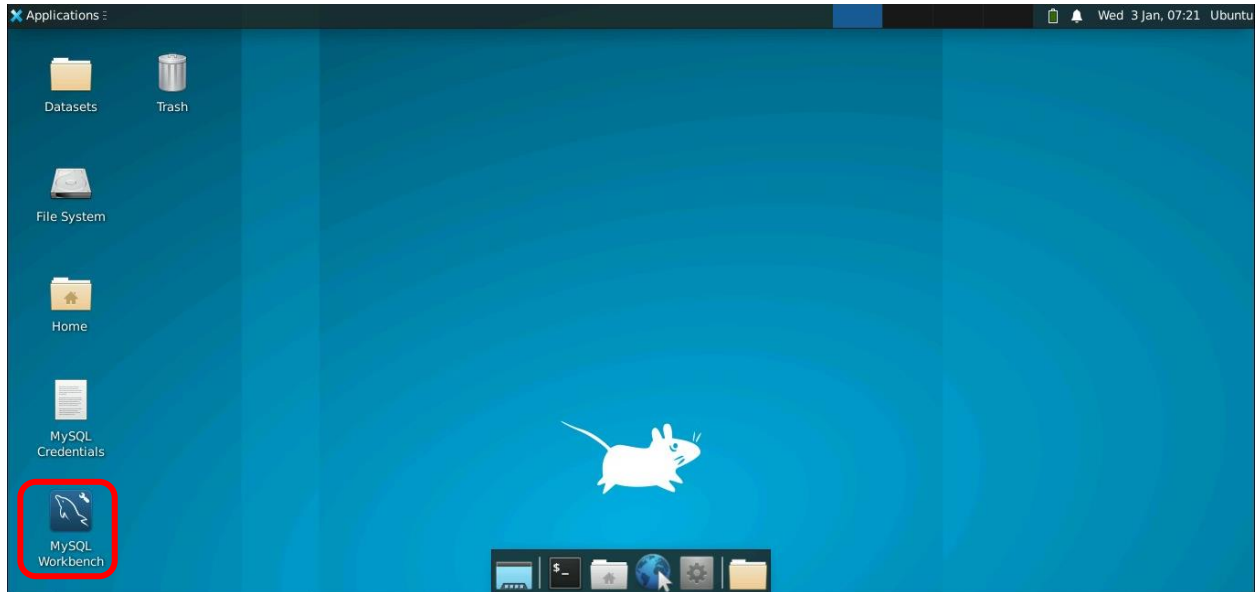
## Step 4: Click on **LAUNCH LAB**



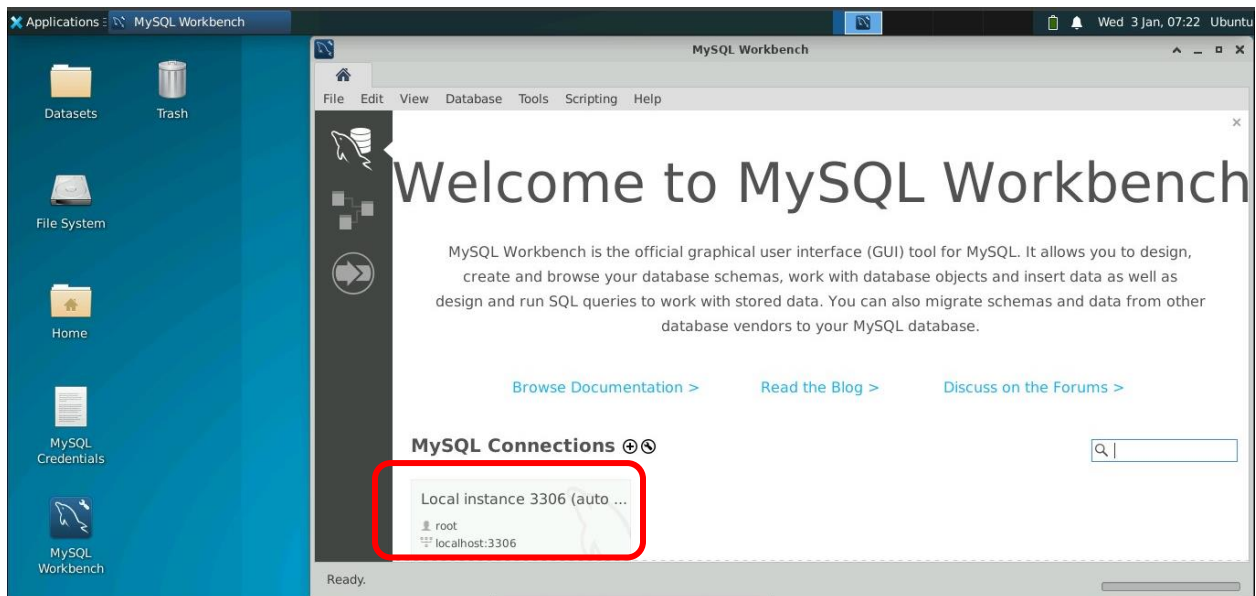
## Step 5: Click on **Go To lab-host-1183213**



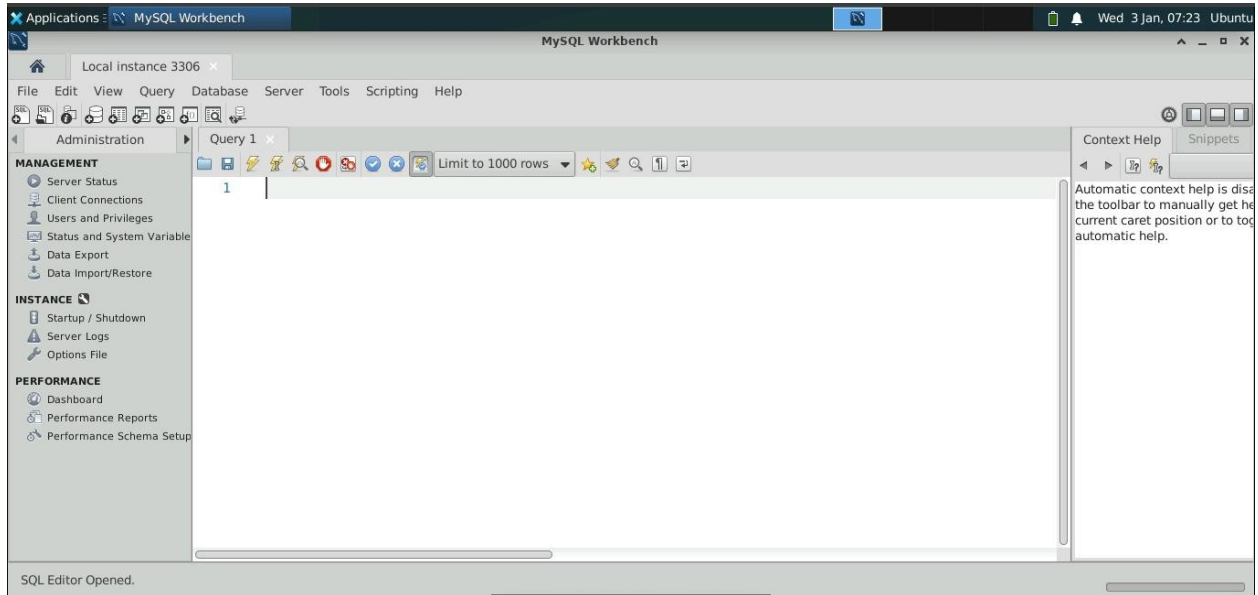
**Step 6:** It will take you to this Virtual Environment. Click the **MySQL Workbench** icon.



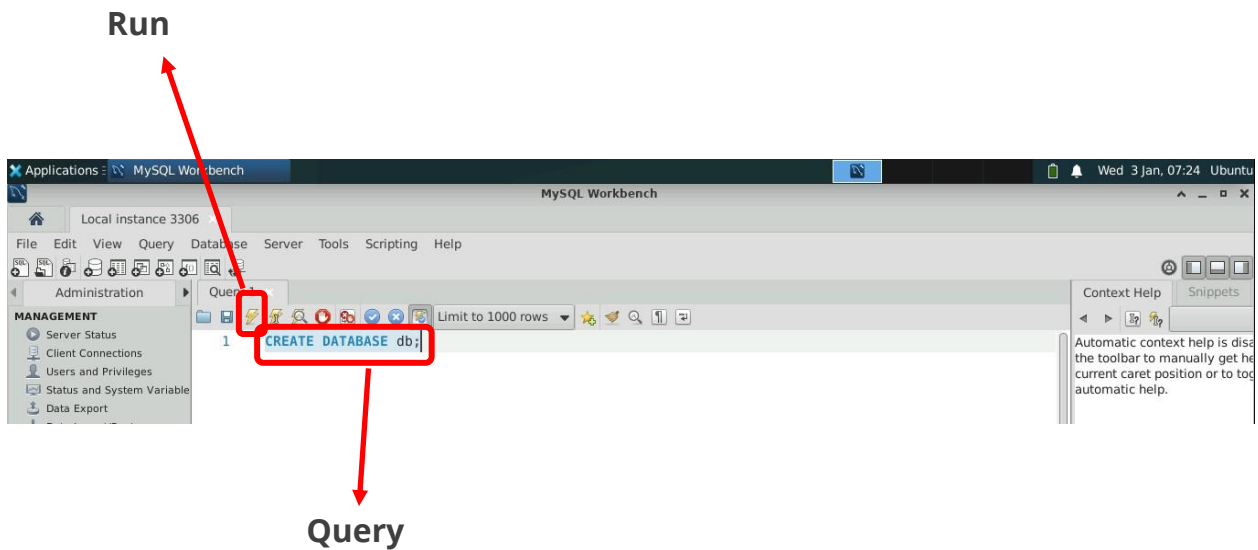
**Step 7:** The MySQL Workbench application will open; click **Local instance in MySQL** connections.



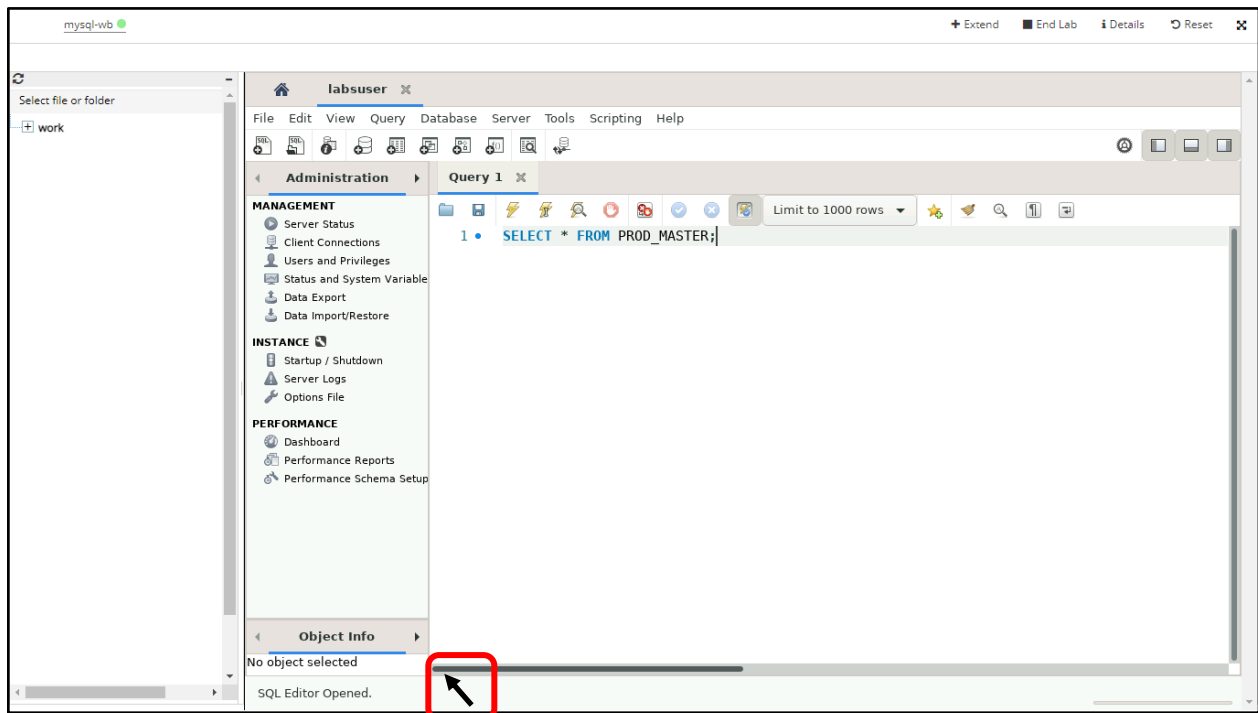
The SQL code editor, which you can use to write and execute code is shown in the image below:



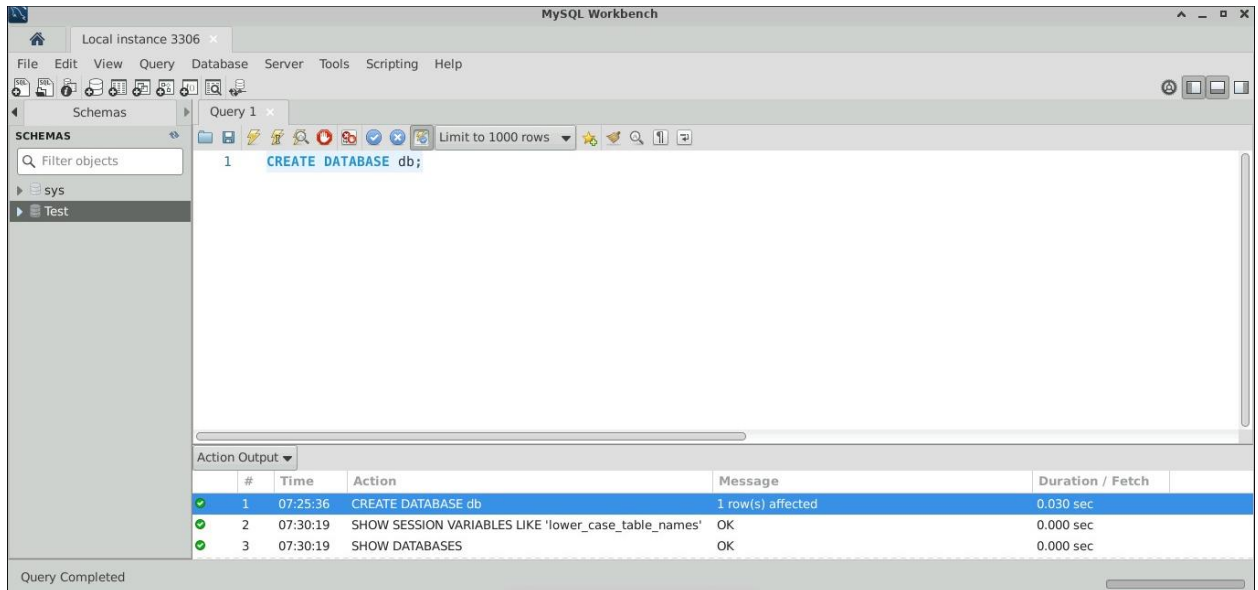
**Step 8:** To run the code, select Query and click on **Run**



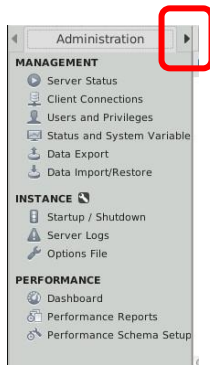
**Step 9:** To view the output and error details, place the cursor between the slide and the bottom of the screen as shown below, and drag towards the top.



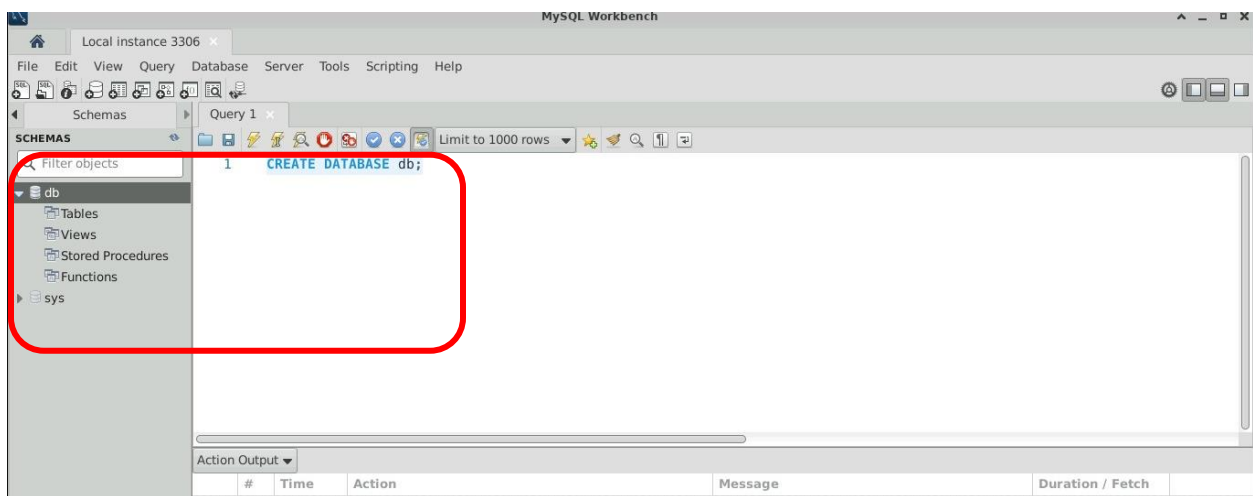
You will be able to see the query status and output after the code is executed.



**Step 10:** To view the created database or schemas, click on the **Next** icon

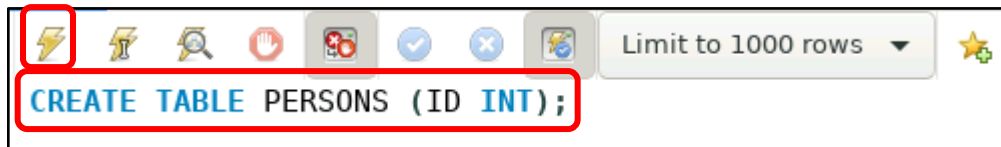


You will be able to see the created databases or schemas.



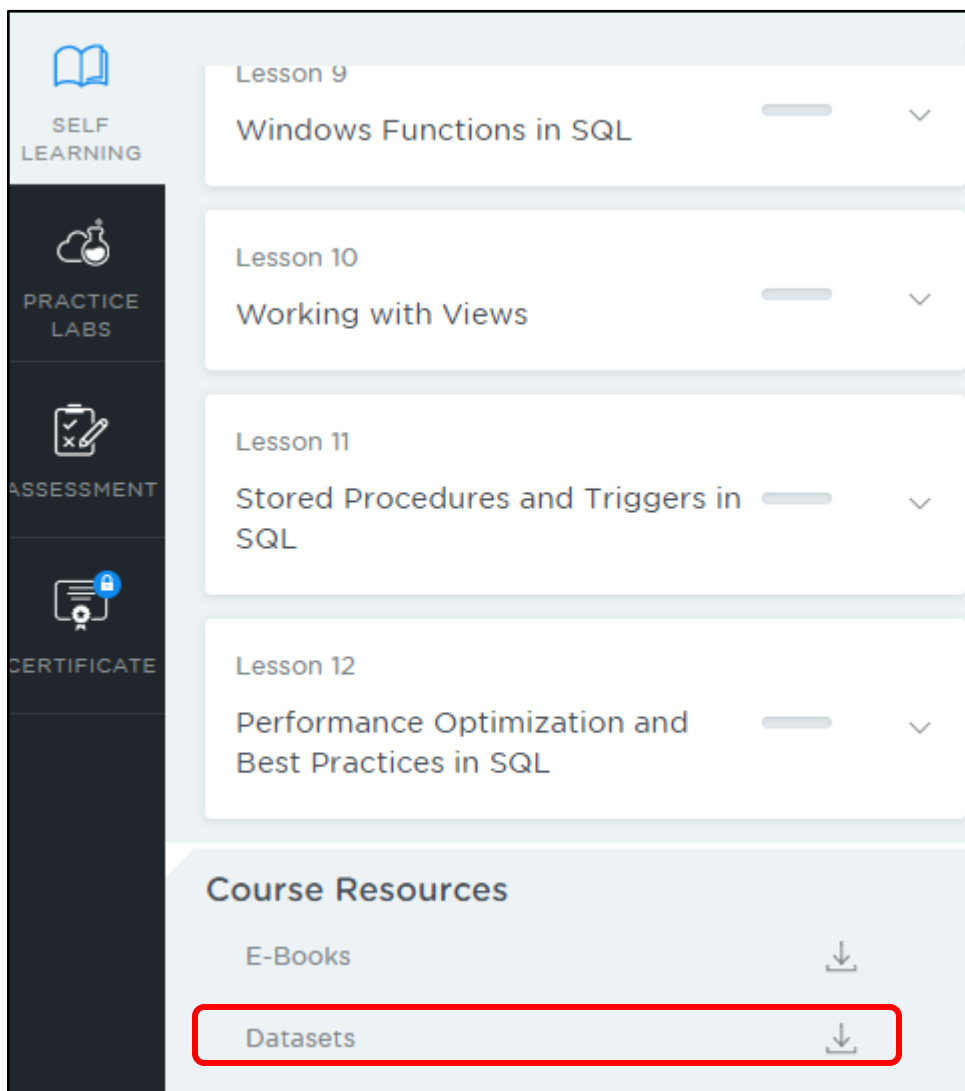


**Step 11:** To create a table, write **CREATE TABLE PERSONS (ID INT);** in the code and click on **run**.

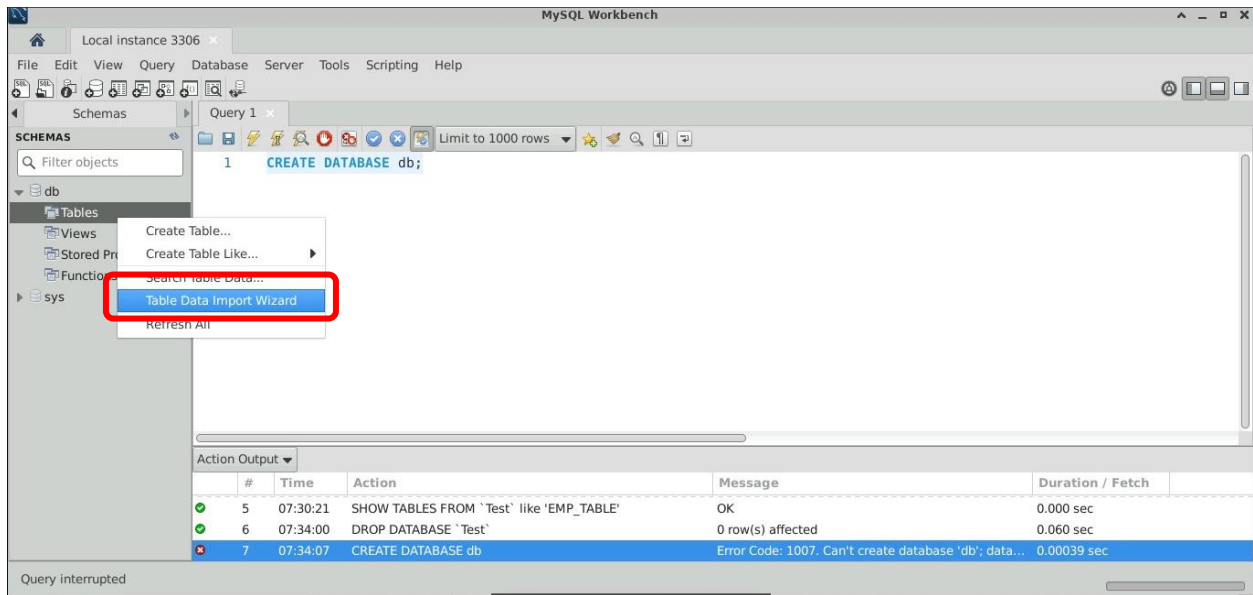


**Step 12:** Download the **Datasets** from the **Course Resources** section and unzip and save the file in the local system.

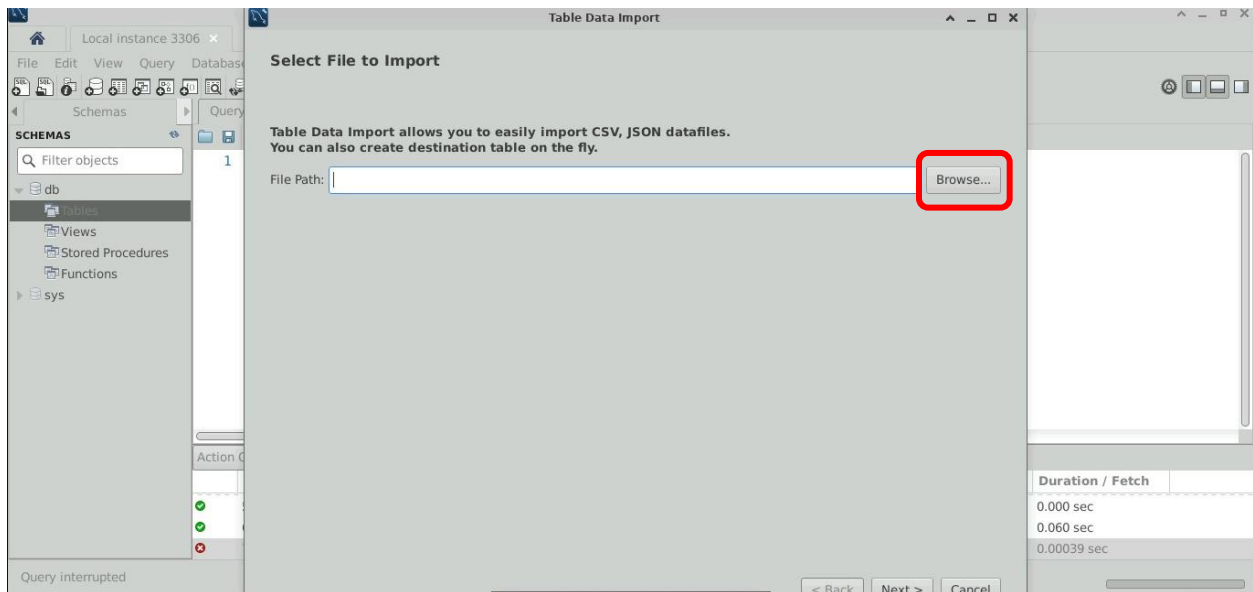
**Note:** All the datasets are provided in the lab environment; if you want to work offline, you can download these datasets.

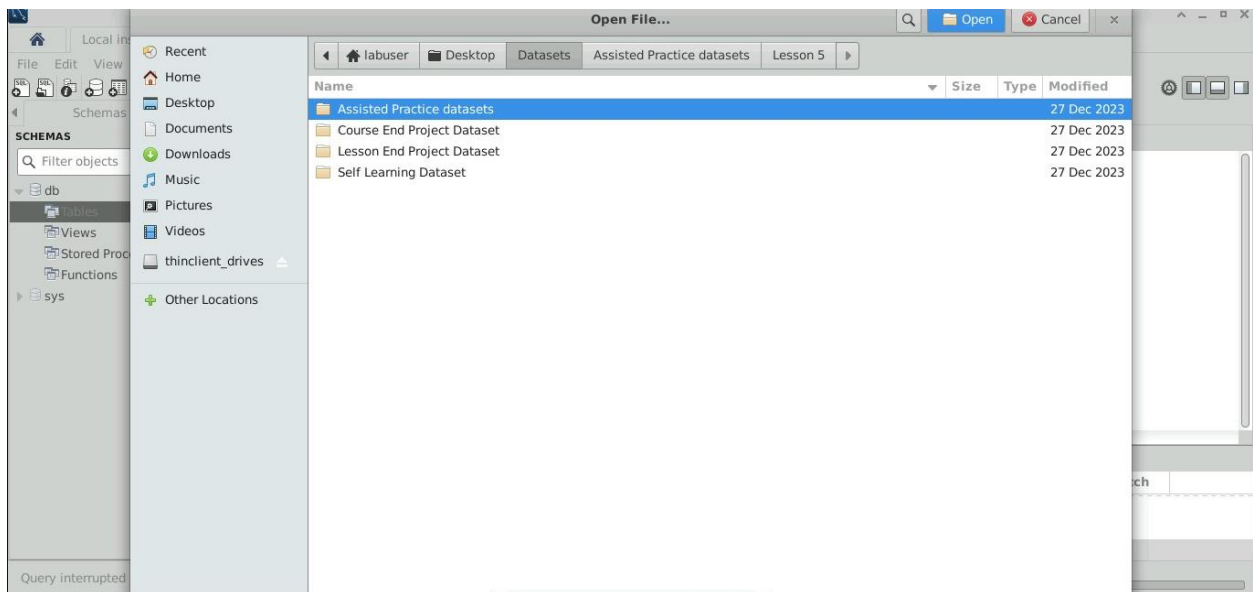
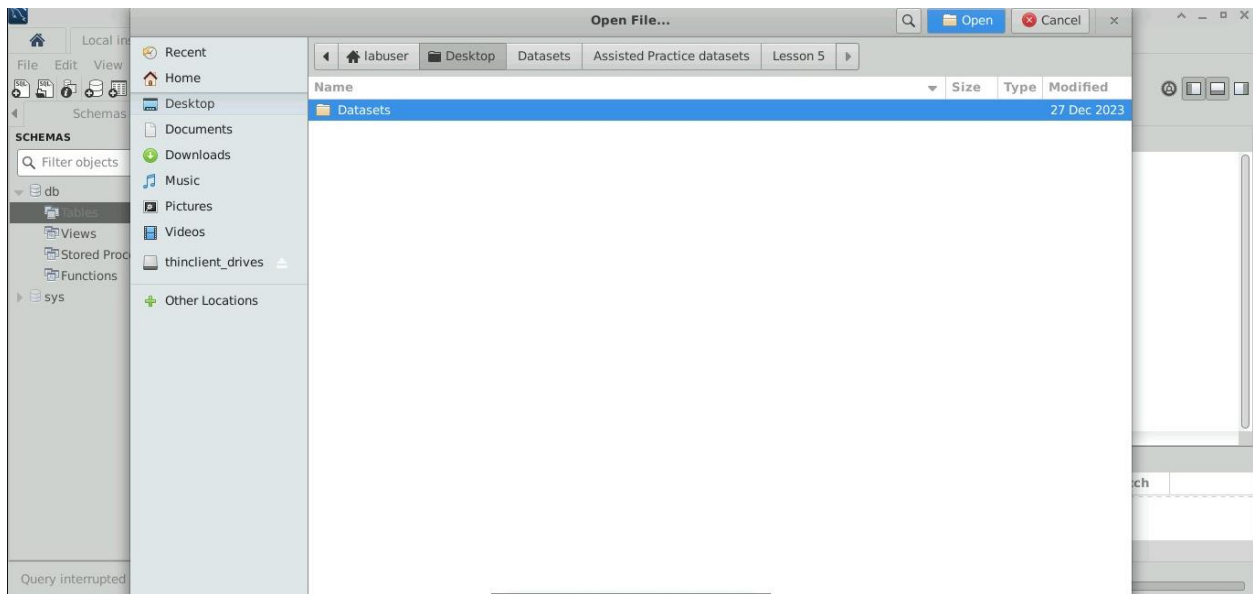


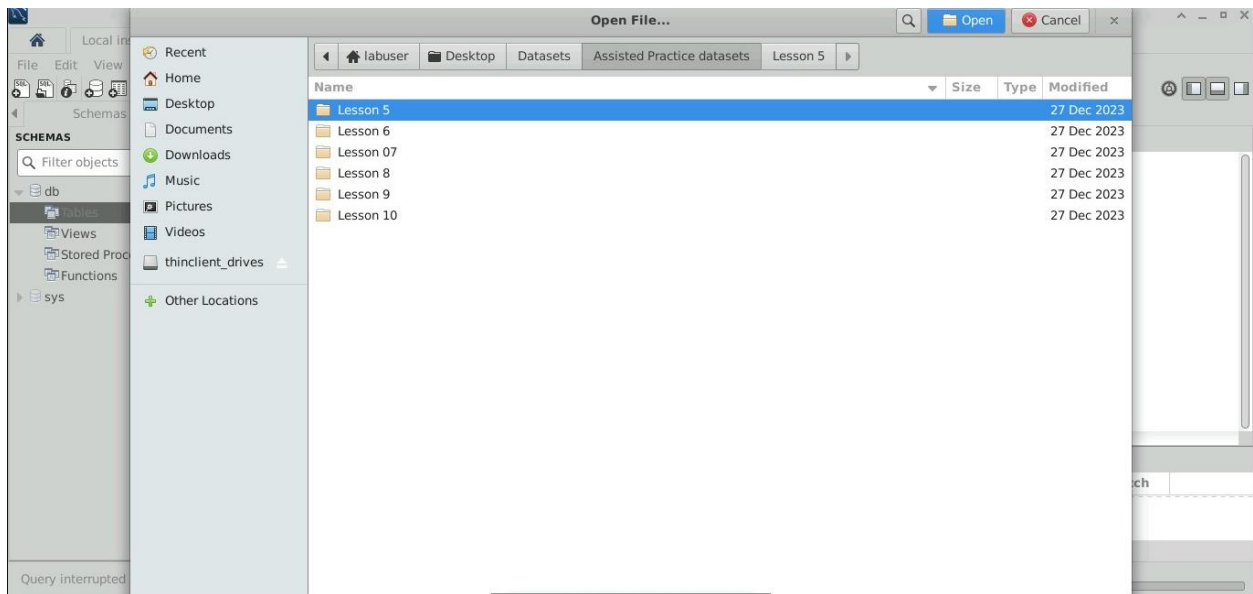
**Step 13:** To upload a dataset to the database, right-click on Tables in the database and click on **Table Data Import Wizard**



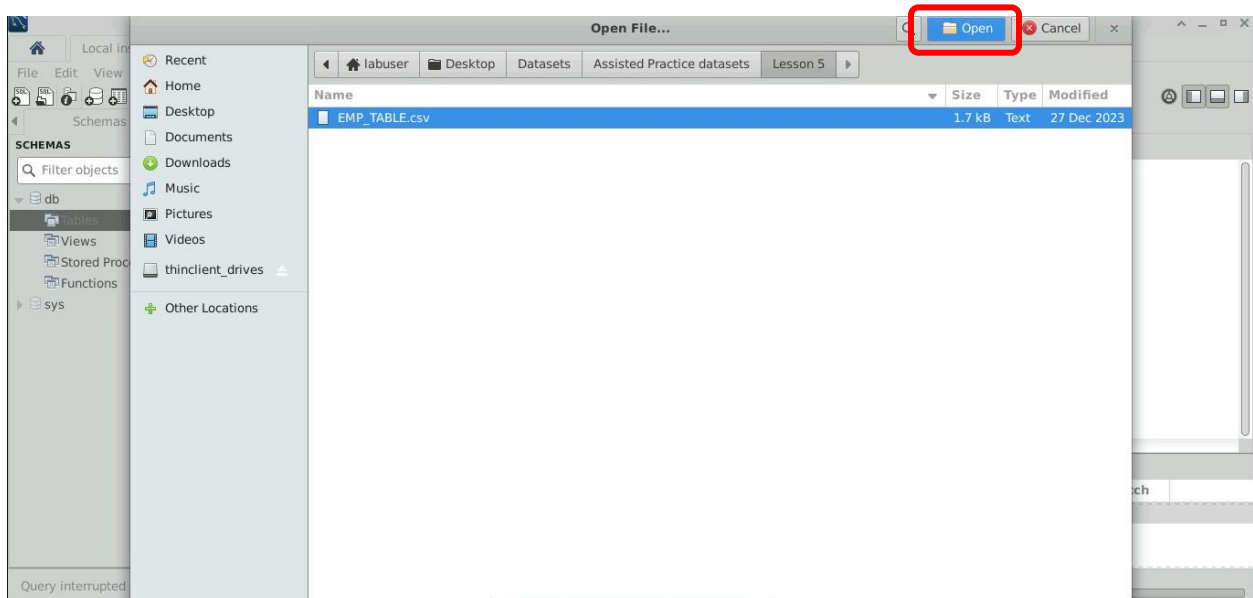
**Step 14:** Click on **Browse** and select the **EMP\_TABLE.csv** where you have saved it



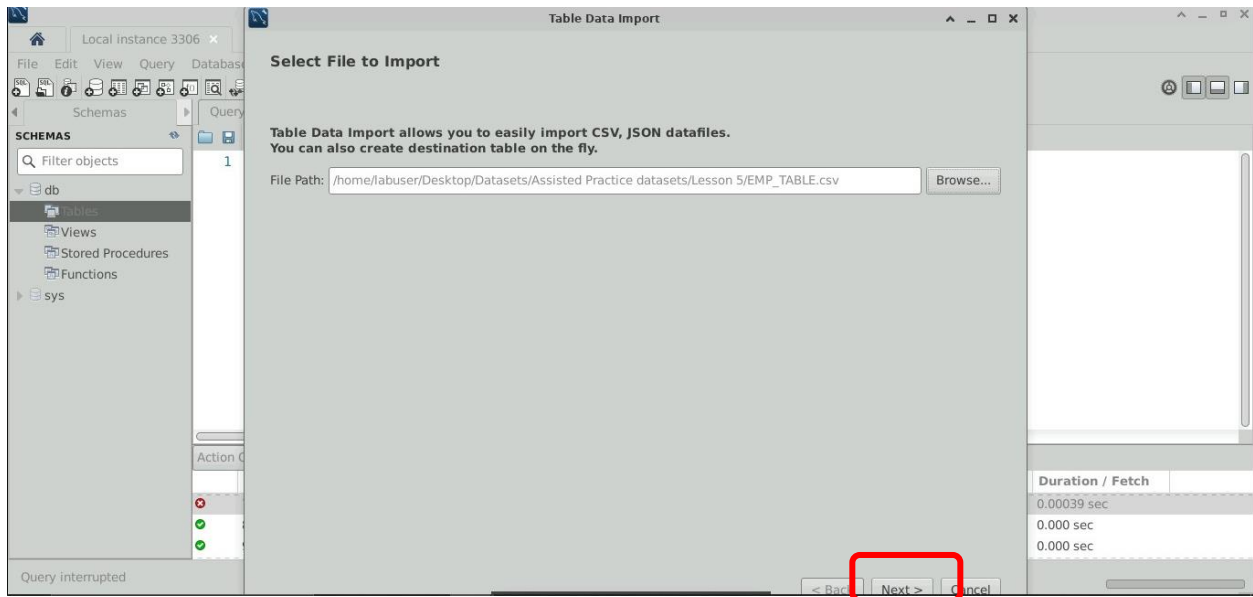




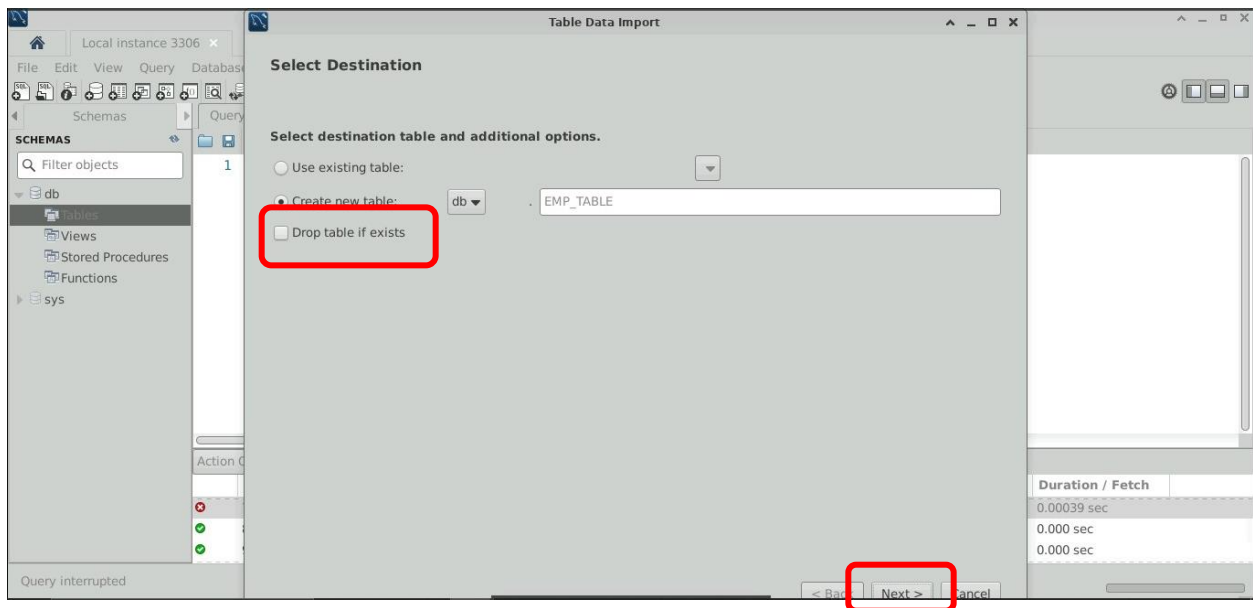
**Step 15:** Select the **EMPLOYEE\_DB.csv** file and click on **Open**



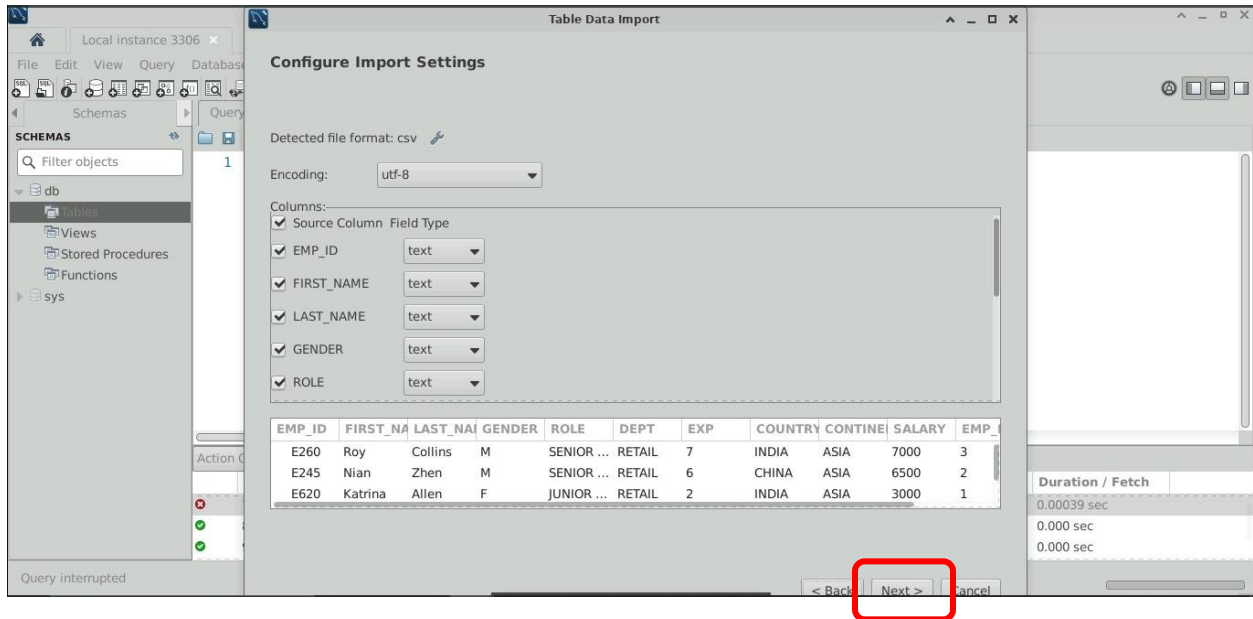
## Step 16: Click on Next



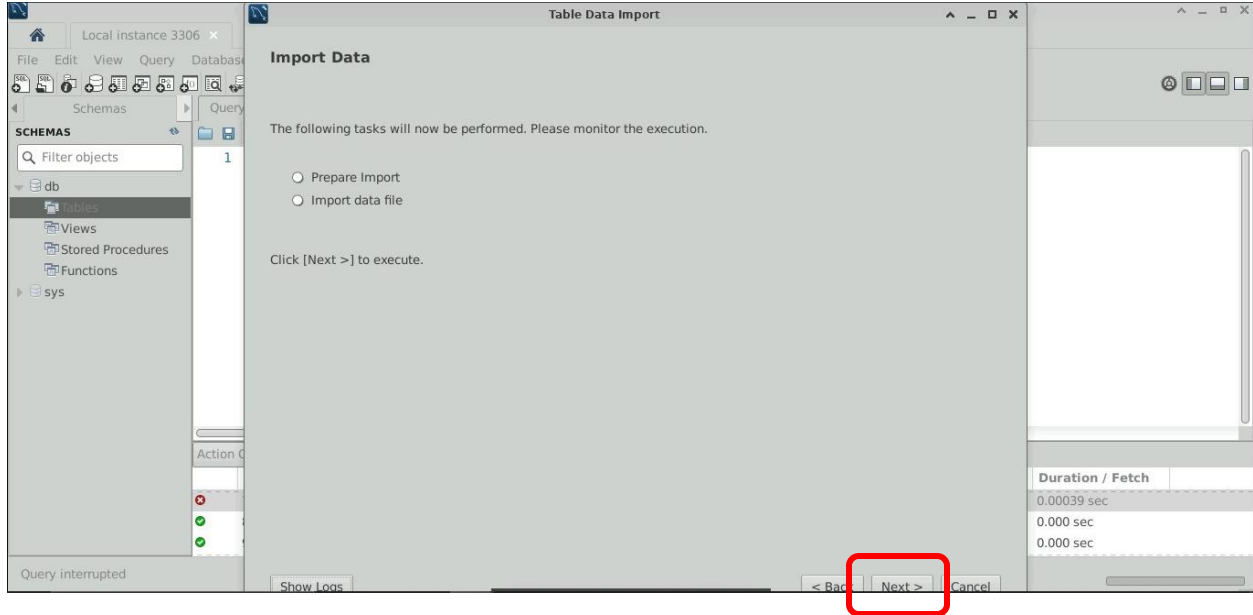
## Step 17: Click on Drop Table if exists and select Next



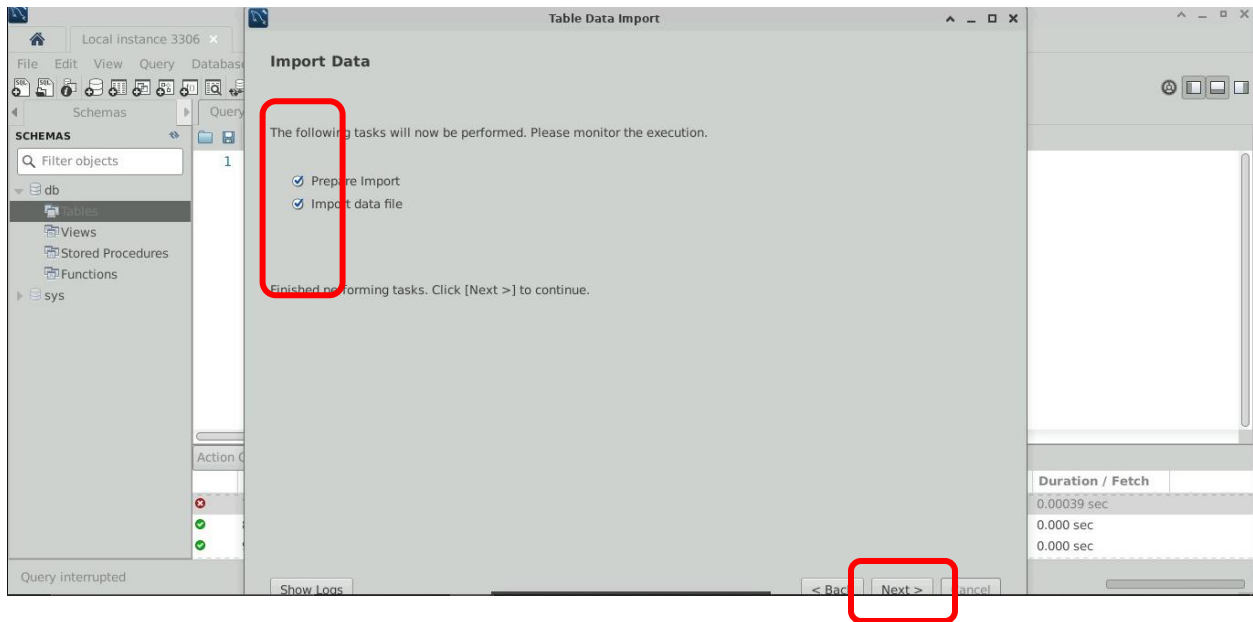
**Step 18:** You can verify the **Source Column Field Type**. Now, click on **Next**.



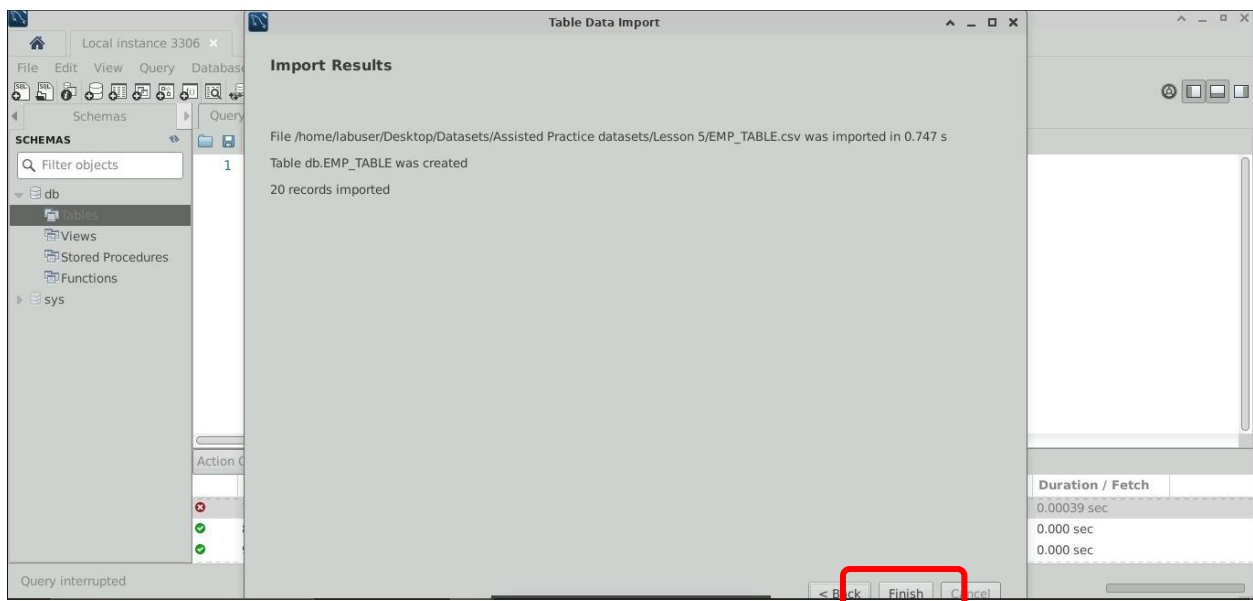
**Step 19:** Click on **Next**



**Step 20:** You will be able to see the tick mark after the tasks are completed. Now, click on **Next**.



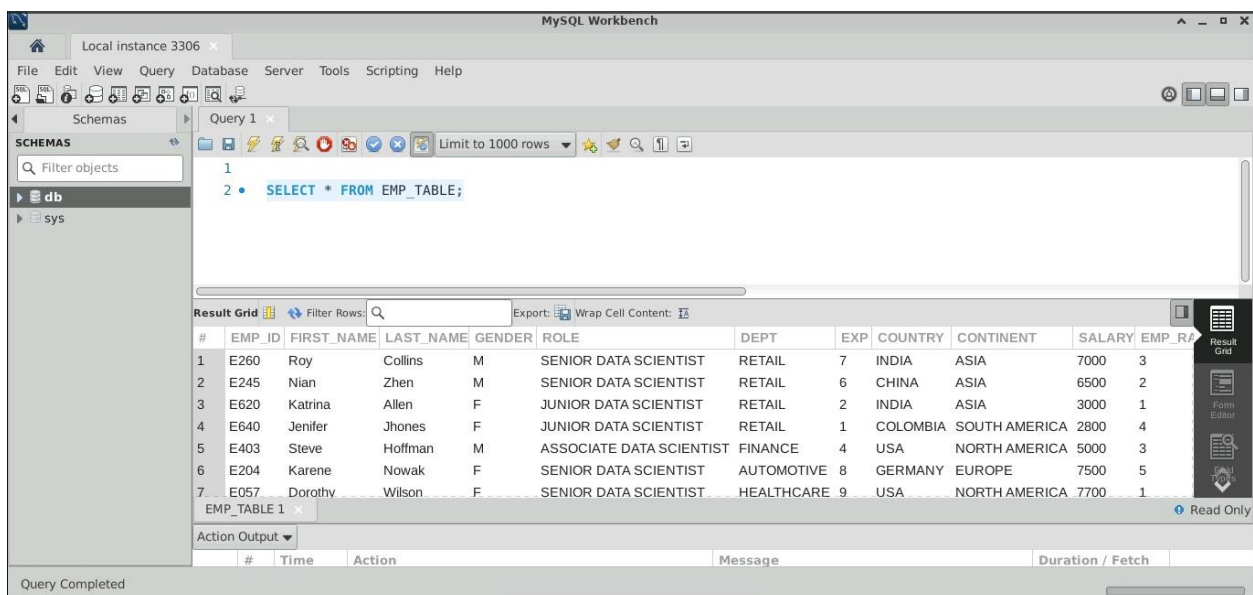
**Step 21:** You will be able to see the total number of records imported. Now, click on **Finish**.



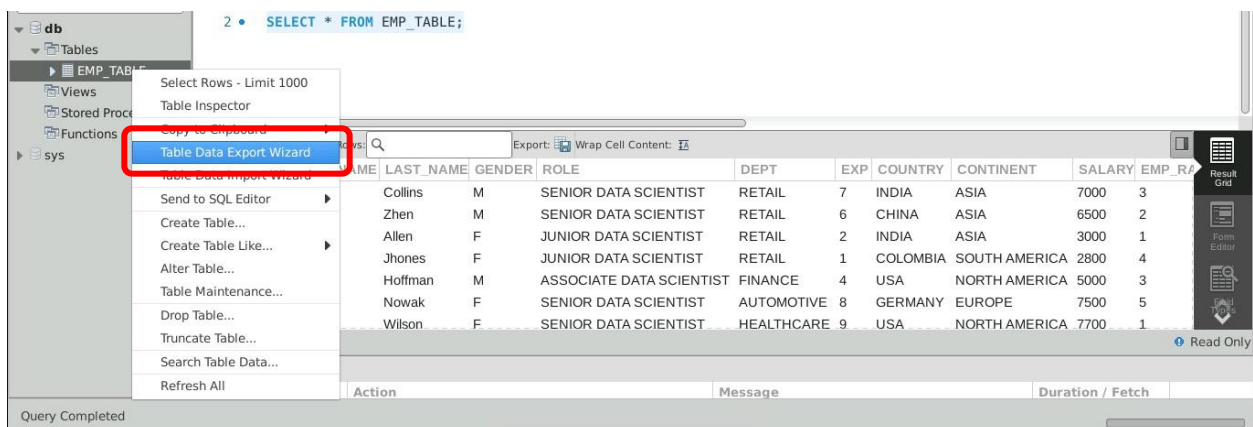
**Step 22:** To view the imported records from the table, write **SELECT \* FROM EMP\_TABLE** in the code editor and click on **run**



You will be able to see the **EMP\_TABLE** table as given below:

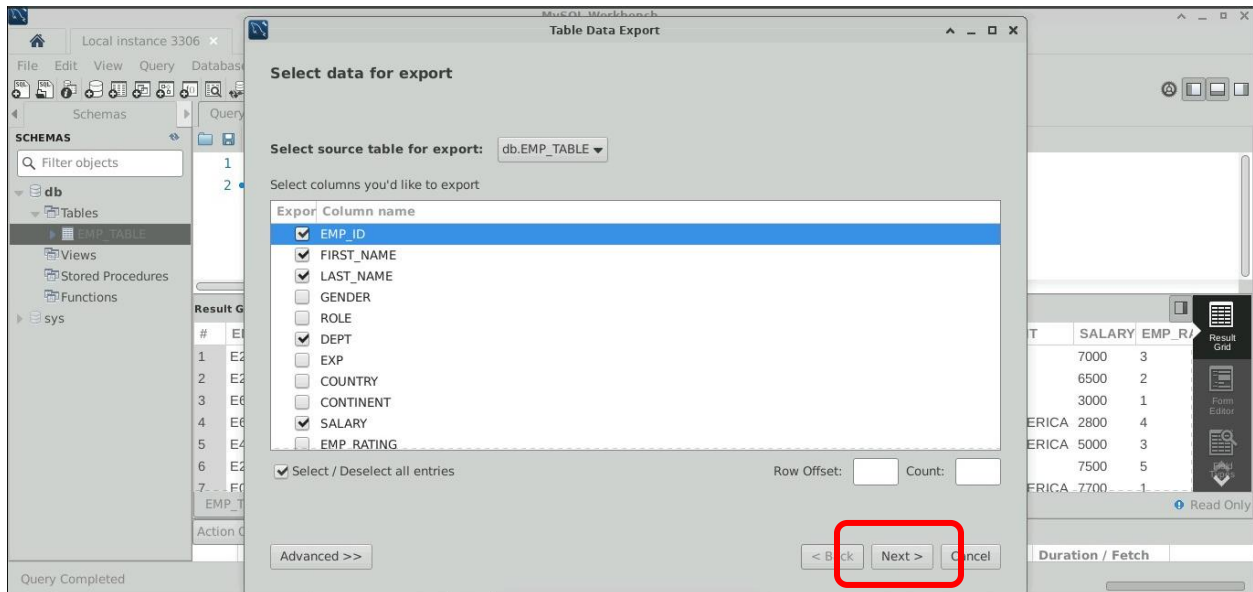
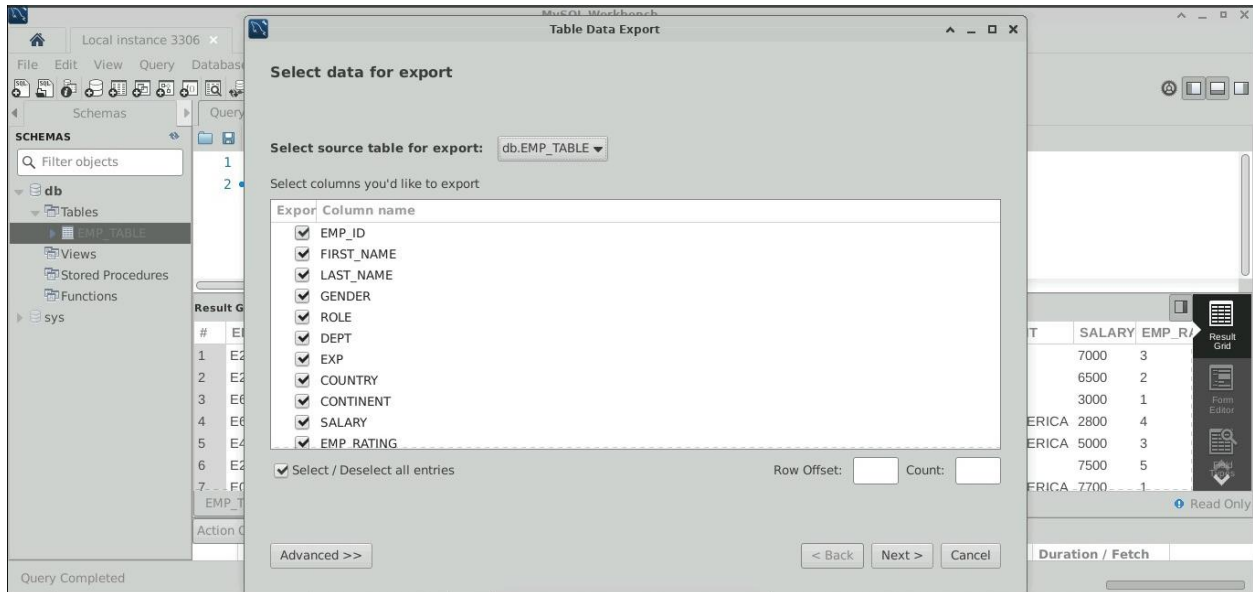


**Step 23:** To export the dataset from the table, right-click on **EMP\_TABLE** and choose **Table Data Export Wizard**

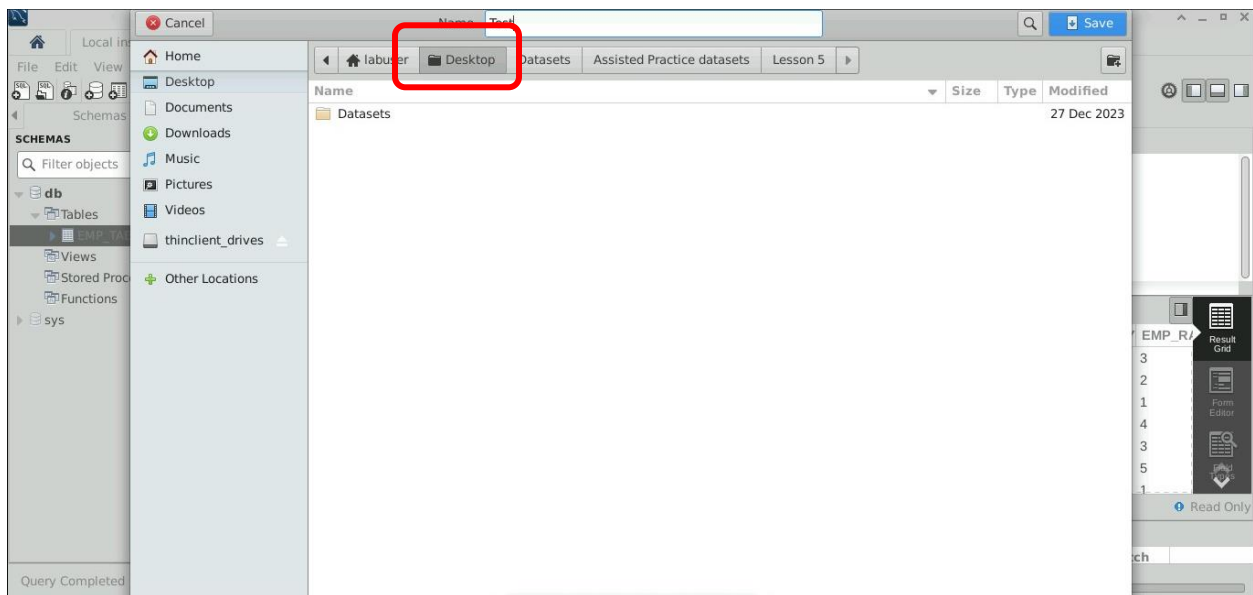
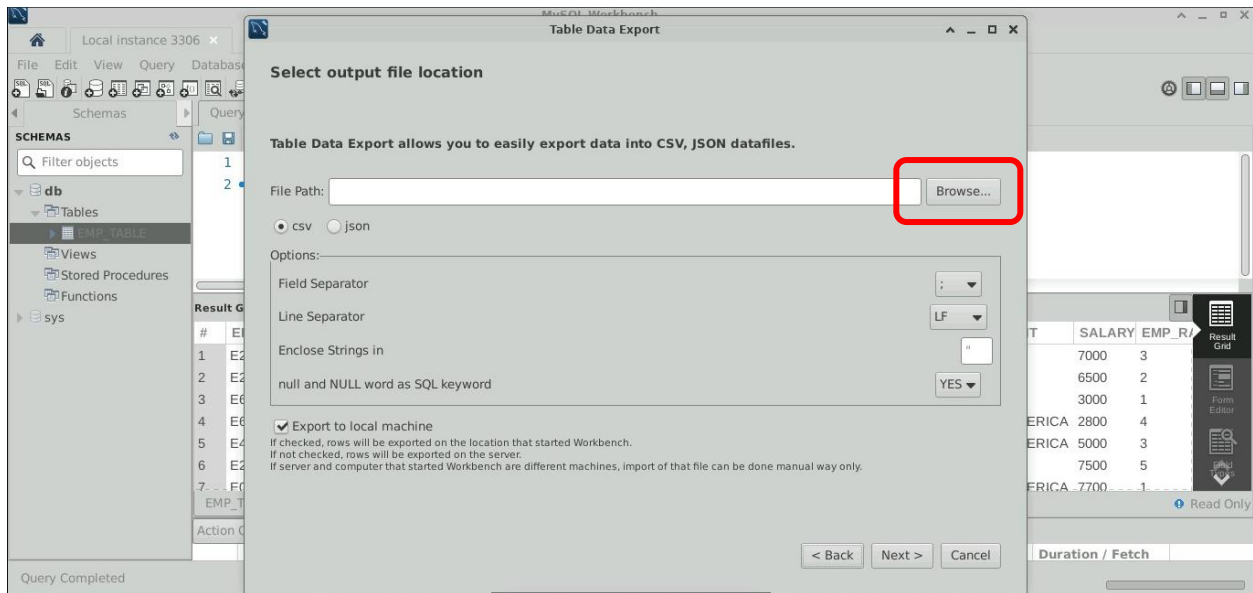




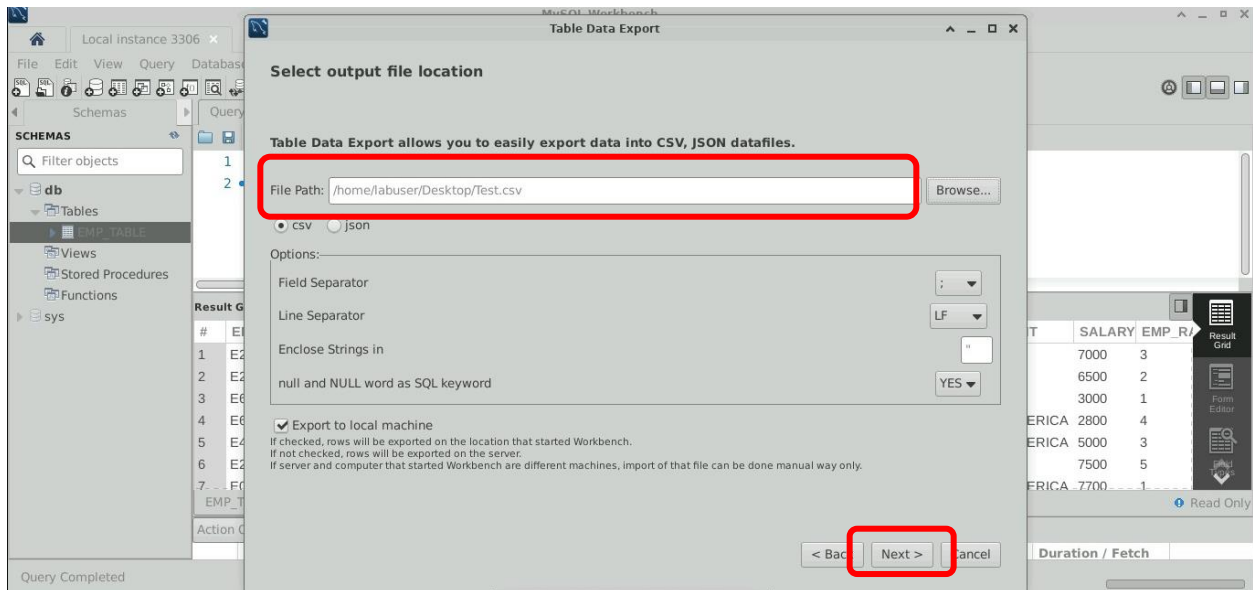
**Step 24:** You can select the columns you want to export. Now, click on **Next**.



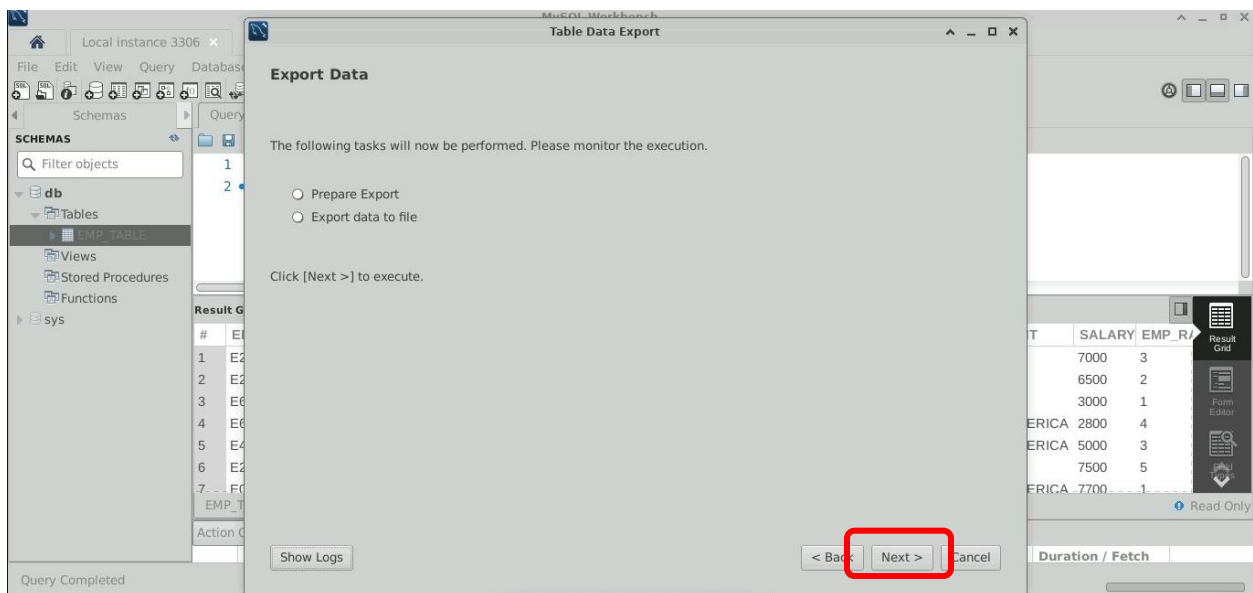
**Step 25:** Click on **Browse...** and choose any location, such as **Desktop**, and give any file name of your choice. Now, click on **Next**.

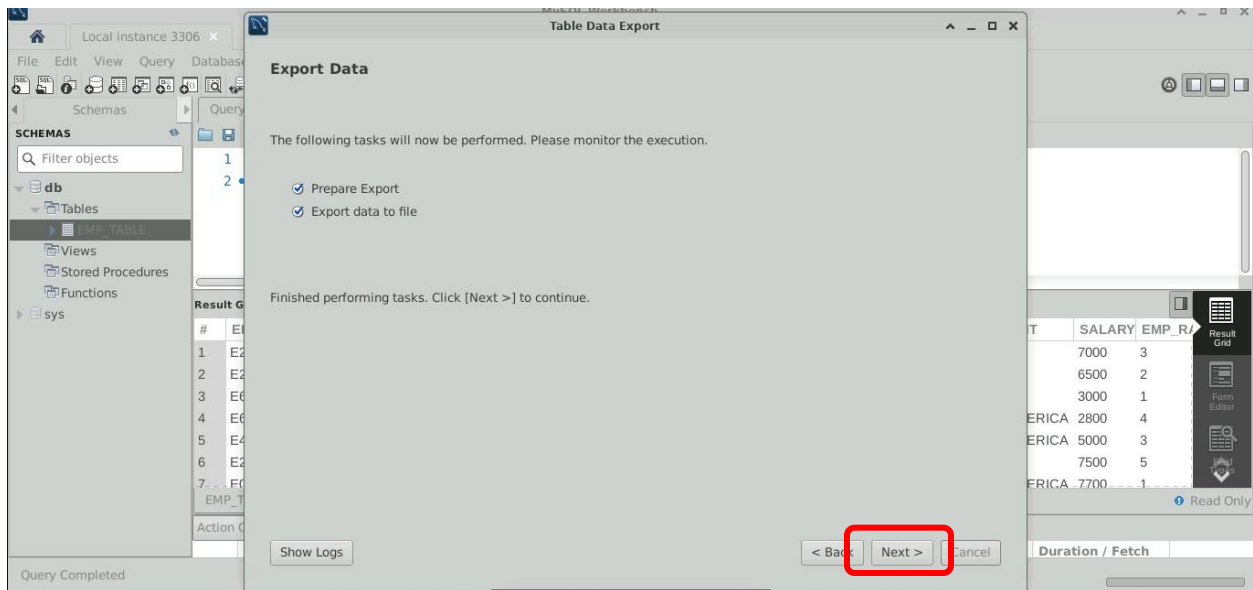


## Step 26: Click on Next

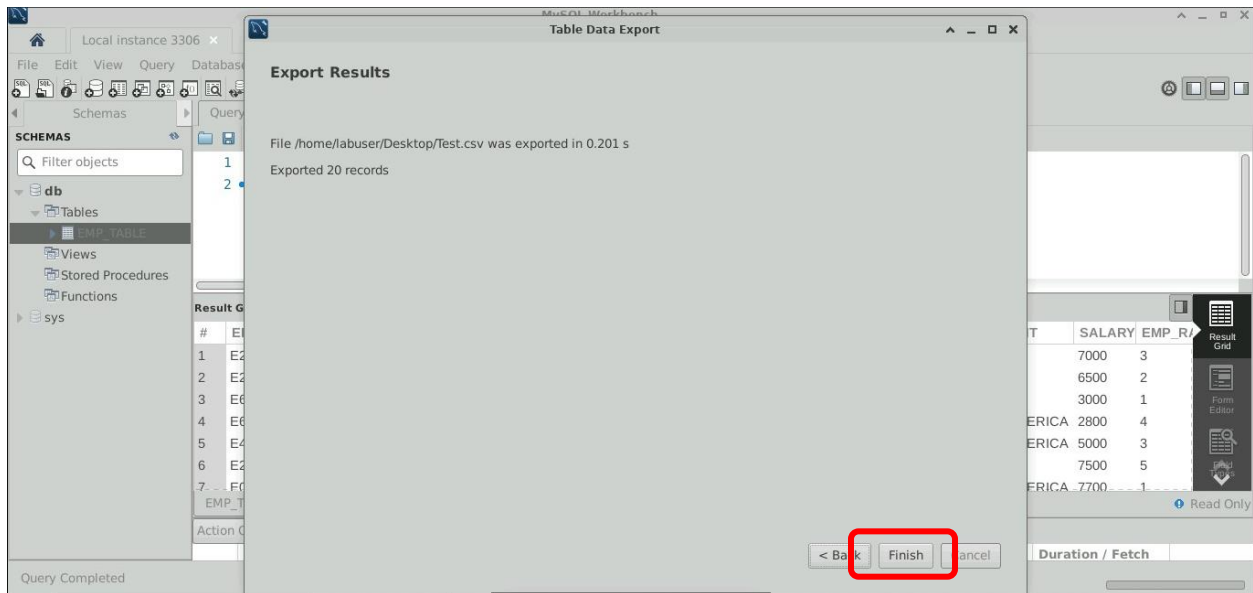


## Step 27: Click on Next

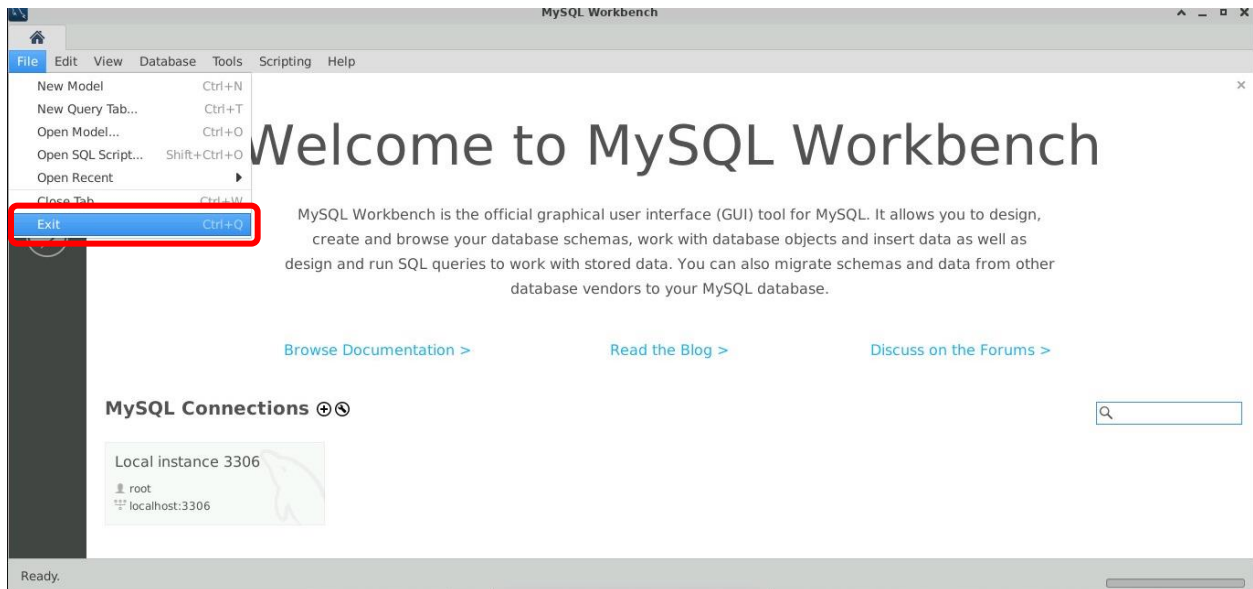




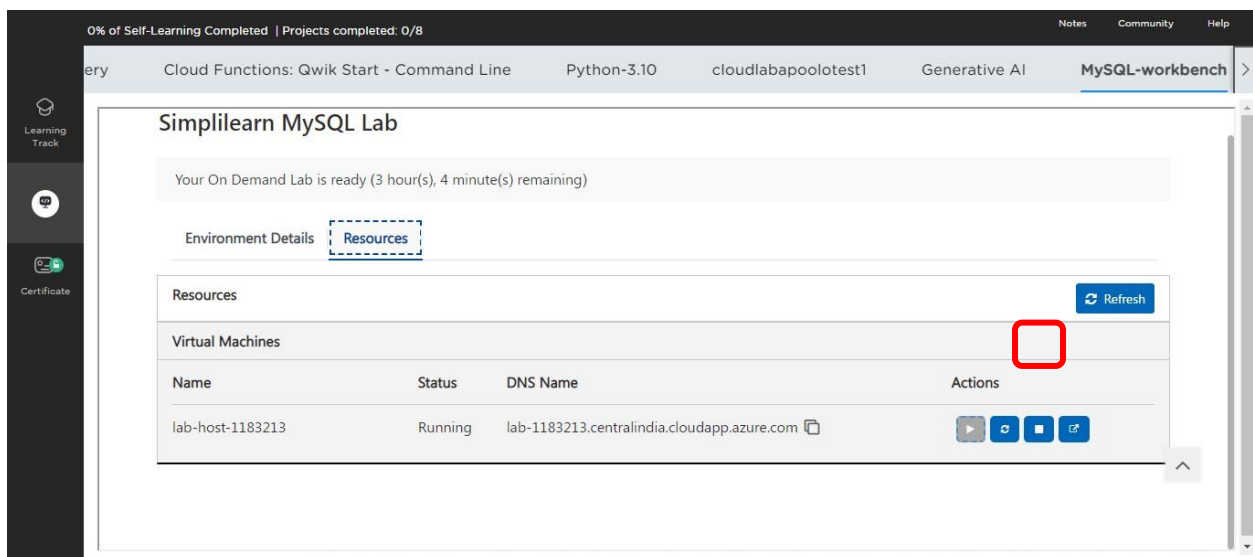
**Step 28:** Once it is downloaded, you will be able to see the below image and click on **Finish**.



After the completion of all the tasks, exit the lab.



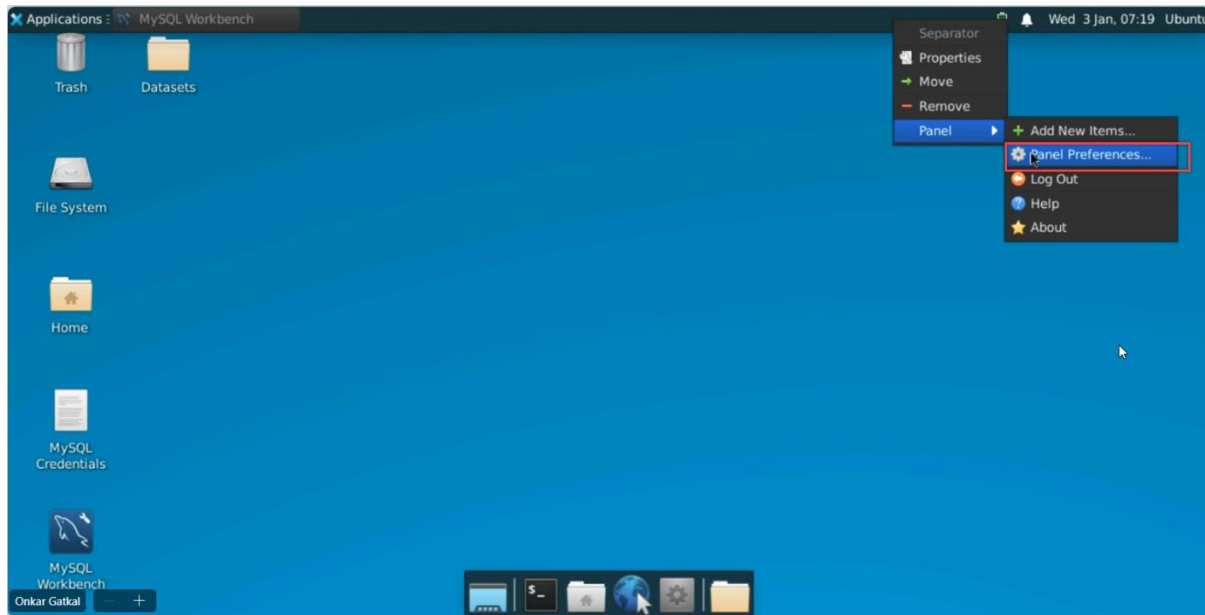
After exiting the lab, go back to the Simplilearn website and stop the lab by clicking the deallocate tab.



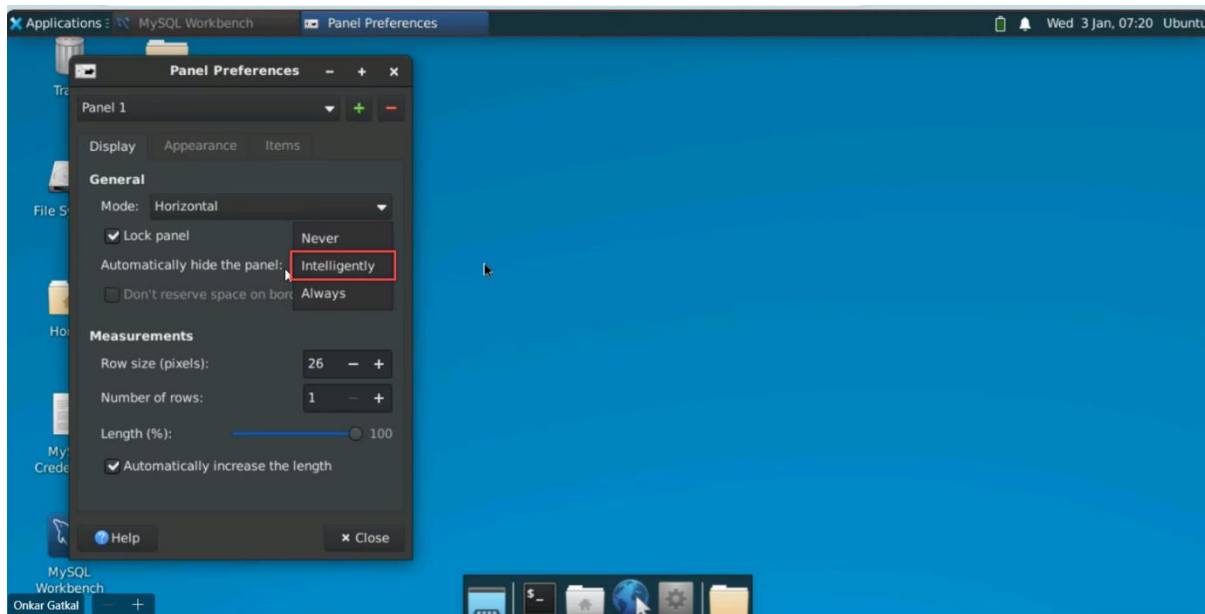
In conclusion, this SQL lab guide covers opening, importing, and exporting data, providing a comprehensive toolkit for seamless database navigation.

Follow these steps if you are facing any panel visibility problems in VM.

**Step 1:** Right-click on the panel at the top > Panel > Panel Preferences...



**Step 2:** Change the **Automatically hide the panel** option to **Intelligently**



Once the **Next** option is visible, please proceed to the next steps.