

**DATABASE**  
**MANAGEMENT**  
**SYSTEM**  
**LAB-10**  
**CONNECTING MYSQL**  
**TO PYTHON**  
**APPLICATION**

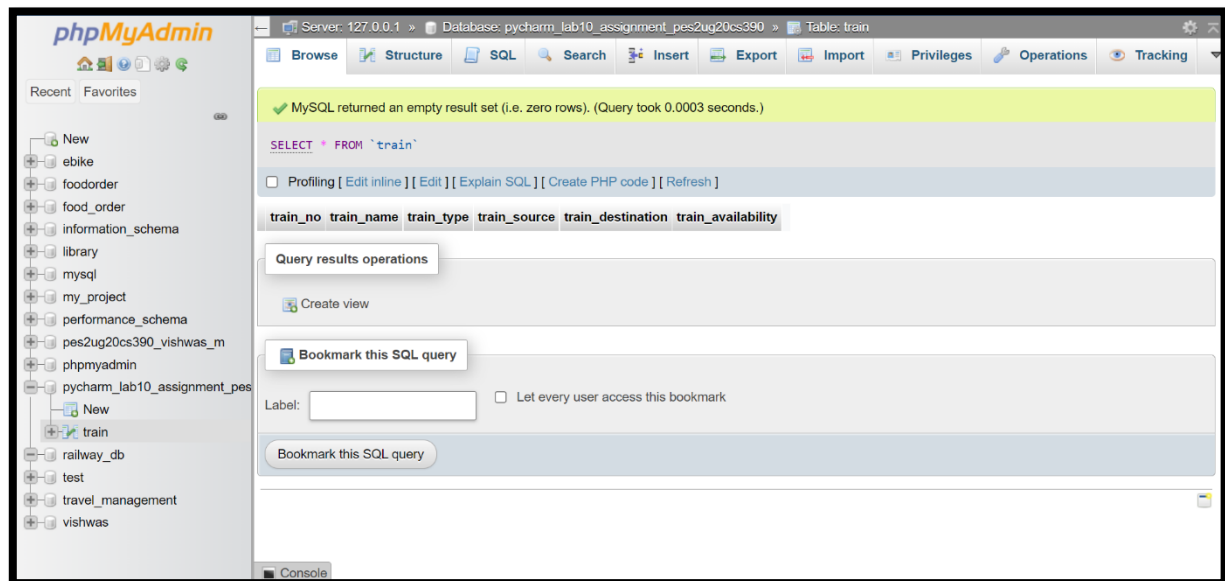
NAME: VISHWAS M

SRN : PES2UG20CS390

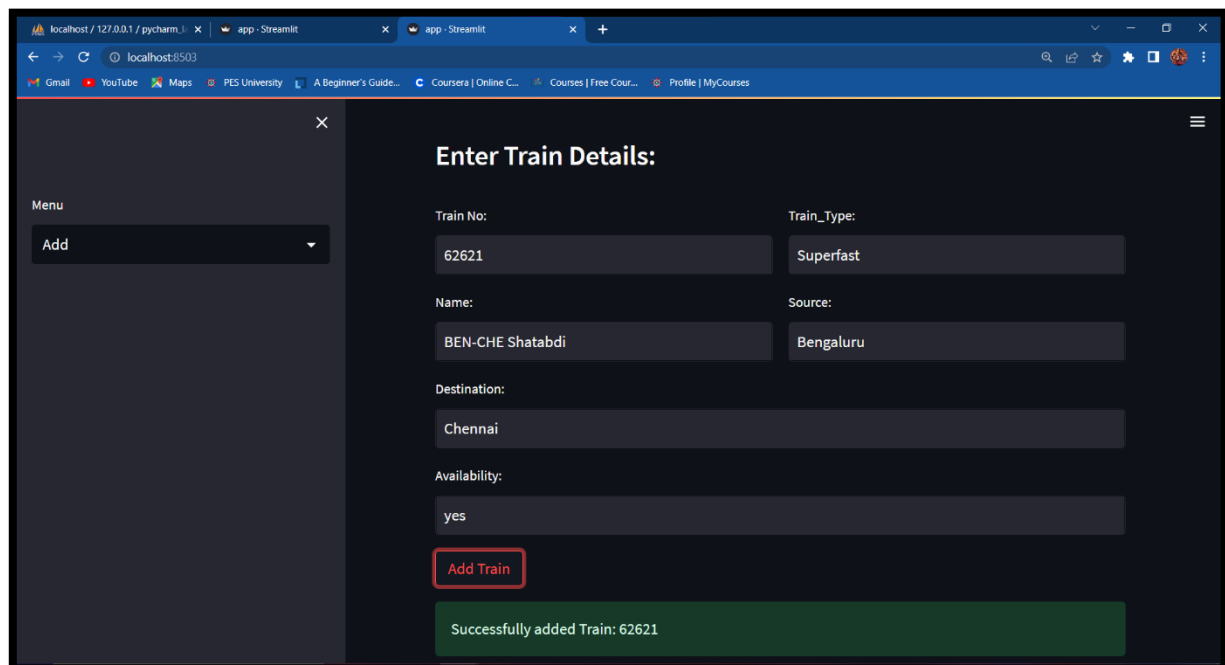
SEC : F

DATE : 10/11/2022

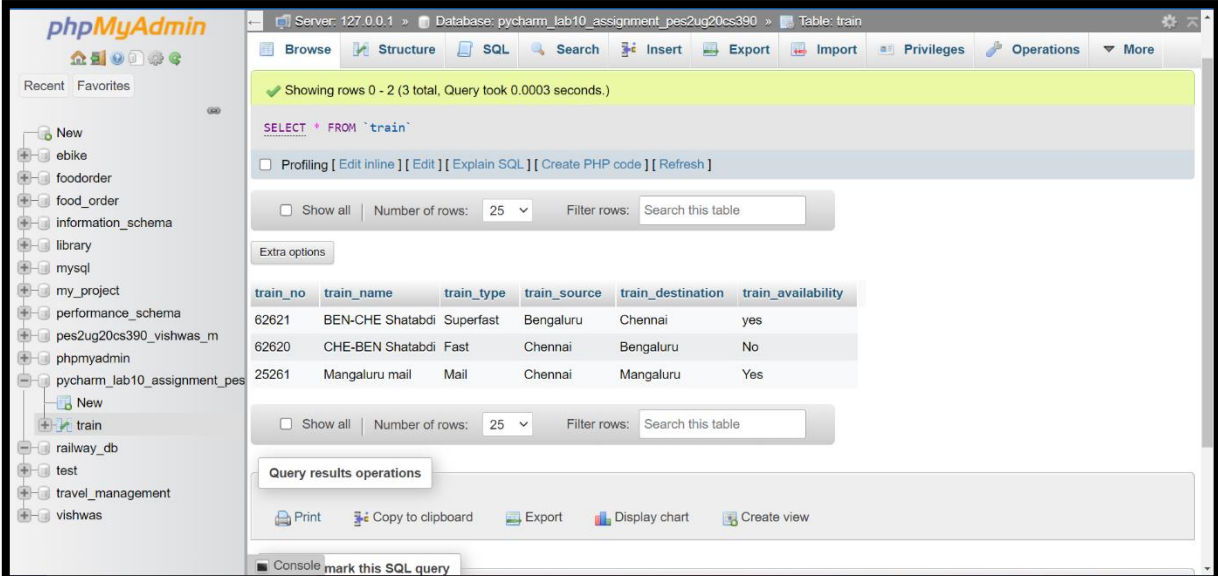
1) Screenshot of database with the table - 'train' before populating it.



2) Screenshot of the User Interface.



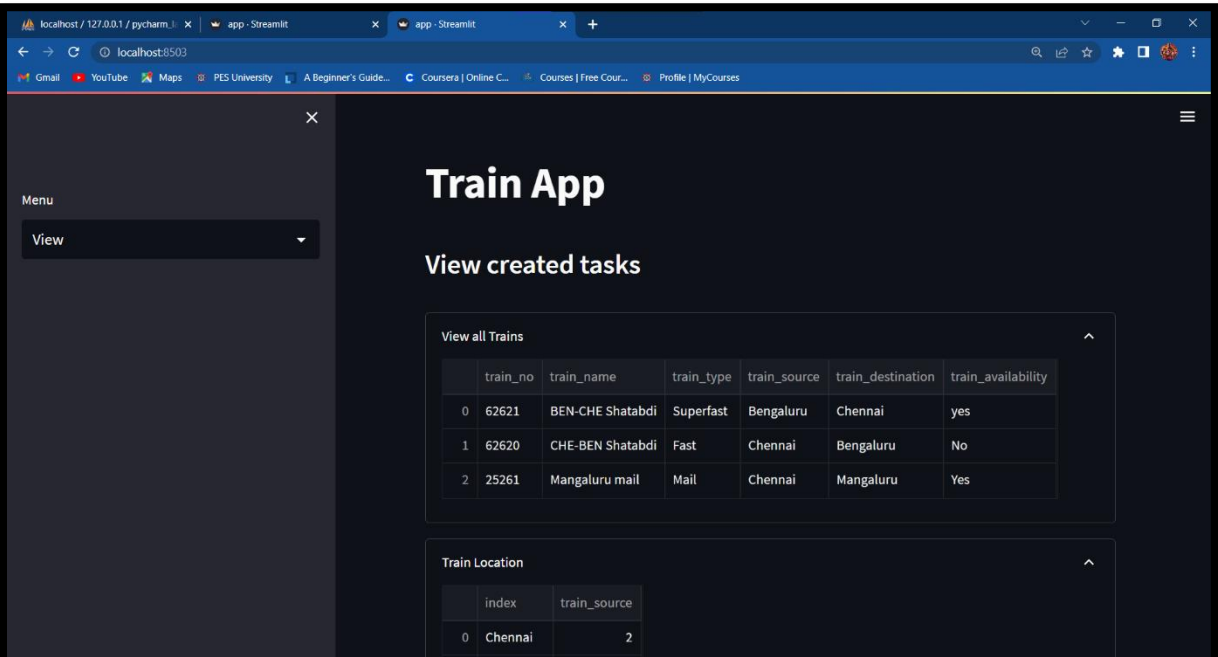
3) Screenshot of the 3 records in the train table from MySQL WorkBench.



The screenshot shows the phpMyAdmin interface. The left sidebar displays a database structure with 'pycharm\_lab10\_assignment\_pes2ug20cs390' selected. The main panel shows the 'train' table with the following data:

train_no	train_name	train_type	train_source	train_destination	train_availability
62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
62620	CHE-BEN Shatabdi	Fast	Chennai	Bengaluru	No
25261	Mangaluru mail	Mail	Chennai	Mangaluru	Yes

4) Screenshot of the same 3 records visualised in the User Interface.



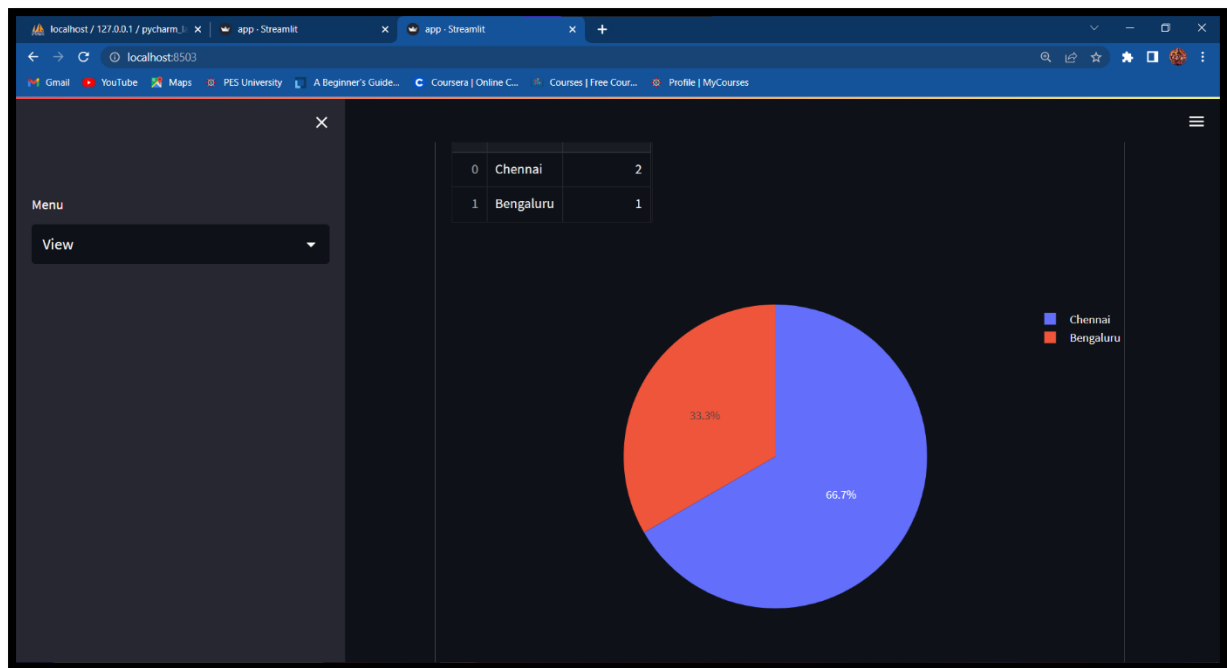
The screenshot shows the 'Train App' user interface. The left sidebar has a 'Menu' section with 'View' selected. The main panel displays the title 'Train App' and the subtitle 'View created tasks'. Below this, there are two sections: 'View all Trains' and 'Train Location'.

**View all Trains**

	train_no	train_name	train_type	train_source	train_destination	train_availability
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	Fast	Chennai	Bengaluru	No
2	25261	Mangaluru mail	Mail	Chennai	Mangaluru	Yes

**Train Location**

index	train_source
0	Chennai
2	



5) Screenshot of Updated Train\_No 62620 in the User-Interface.

The screenshot shows the 'Update created tasks' section of the web application. It includes a table of 'Current Trains' and a form to edit a specific train. The 'Current Trains' table lists three trains: 62621 (BEN-CHE Shatabdi), 62620 (CHE-BEN Shatabdi), and 25261 (Mangaluru mail). The 'Train to Edit' section has a dropdown menu set to 'CHE-BEN Shatabdi'. Below this, there are input fields for 'No' (62620), 'train\_source' (F), 'Train Destination' (Bengaluru), 'Name', 'Train Source', and 'Train Availability'.

	train_no	train_name	train_type	train_source	train_destination	train_availability
0	62621	BEN-CHE Shatabdi	S	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	F	Chennai	Bengaluru	No
2	25261	Mangaluru mail	Mail	Chennai	Mangaluru	Yes

**Train to Edit**

CHE-BEN Shatabdi

No: 62620 train\_source: F Train Destination: Bengaluru

Name: Train Source: Train Availability

localhost / 127.0.0.1 / pycharm... x

app - Streamlit x

app - Streamlit x

+

localhost:8503

Gmail YouTube Maps PES University A Beginner's Guide... Coursera | Online C... Courses | Free Cour... Profile | MyCourses

Menu

Edit

No: 62620

train\_source: F

Train Destination: Bengaluru

Name: CHE-BEN Shatabdi

Train Source: Chennai

Train Availability: yes

Update Train

Successfully updated:: CHE-BEN Shatabdi to ::CHE-BEN Shatabdi

Updated data

	train_no	train_name	train_type	train_source	train_destination	train_availability
0	62621	BEN-CHE Shatabdi	S	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	F	Chennai	Bengaluru	yes
2	25261	Mangaluru mail	Mail	Chennai	Mangaluru	Yes

6) Screenshot of User-Interface after the Train\_No 25261 has been deleted.

