

## DBMS Lab-10

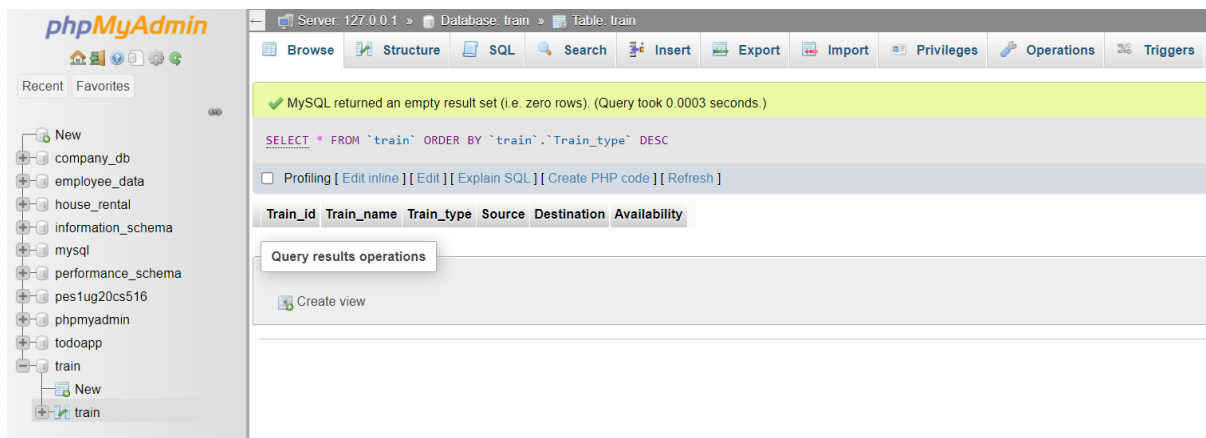
Name: Vrushank G

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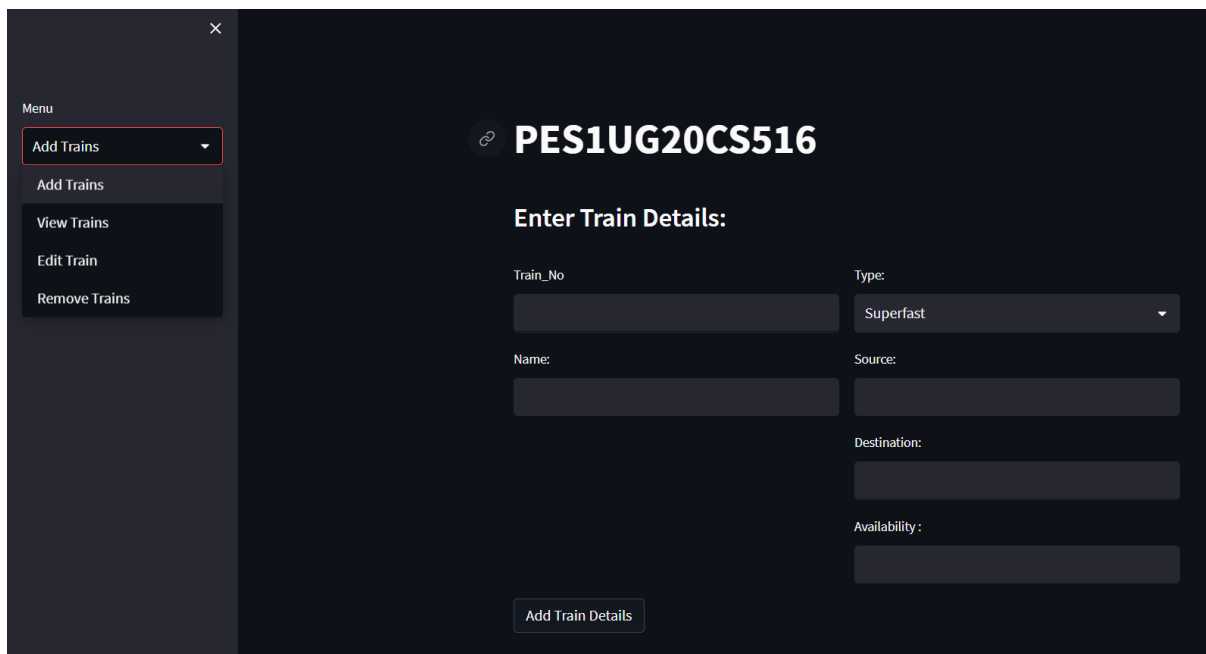
Section: I

### Lab 10 -Connecting a Python Application to a MySQL Database

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



2. Screenshot of the User Interface.



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

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane lists various databases, with 'train' selected. The main query editor shows a query: `select * from train.train;`. Below the query editor, the 'Result Grid' displays three rows of data from the 'train' table. The columns are: Train\_id, Train\_name, Train\_type, Source, Destination, and Availability. The data rows are: 62621, BEN-CHE Shatabdi, Superfast, Bengaluru, Chennai, yes; 62620, CHE-BEN Shatabdi, Fast, Chennai, Bengaluru, No; and 25261, Managaluru Mail, Mail, Chennai, Mangaluru, Yes. The bottom pane shows the 'Output' tab with a log of actions and messages.

Train_id	Train_name	Train_type	Source	Destination	Availability
62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
62620	CHE-BEN Shatabdi	Fast	Chennai	Bengaluru	No
25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

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

The screenshot shows a user interface with a dark theme. On the left, a 'Menu' sidebar contains a 'View Trains' button. The main content area displays the user ID 'PES1UG20CS516' and a section titled 'View created tasks'. Below this, there is a button labeled 'View all Trains'. At the bottom, a table displays the same three records as the MySQL Workbench screenshot.

Train_id	Train_name	Train_type	Source	Destination	Availability	
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	Fast	Chennai	Bengaluru	No
2	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

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

Menu

Edit Train

Destination:

Bengaluru

Availability:

yes

Update Train

Successfully updated:: No to :yes

Updated data

	Train_id	Train_name	Train_type	Source	Destination	Availability
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	yes
2	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

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

Menu

Remove Trains

Task to Delete

Managaluru Mail

Do you want to delete : [Managaluru Mail]

Delete Train

Selected trains have been deleted successfully

Updated data

	Train_id	Train_name	Train_type	Source	Destination	Availability
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
1	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	yes