DBMS (LAB – 10)

Connecting a Python Application to a MySQL Database

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

```
use railway_system _lab_634;
```

```
6  19:38:06  use railway_system_lab_634;  0 row(s) affected  0.000 sec
```

```
show tables;
```

	Tables_in_railway_system_lab_634
▶	train

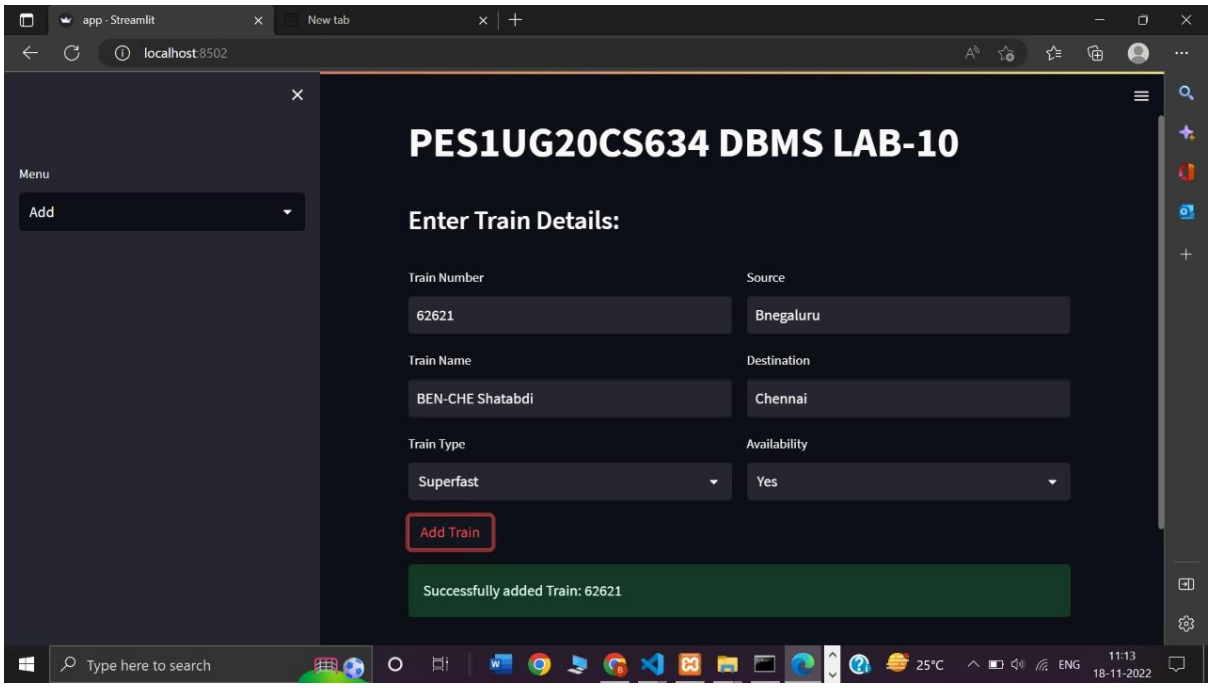
```
desc train;
```

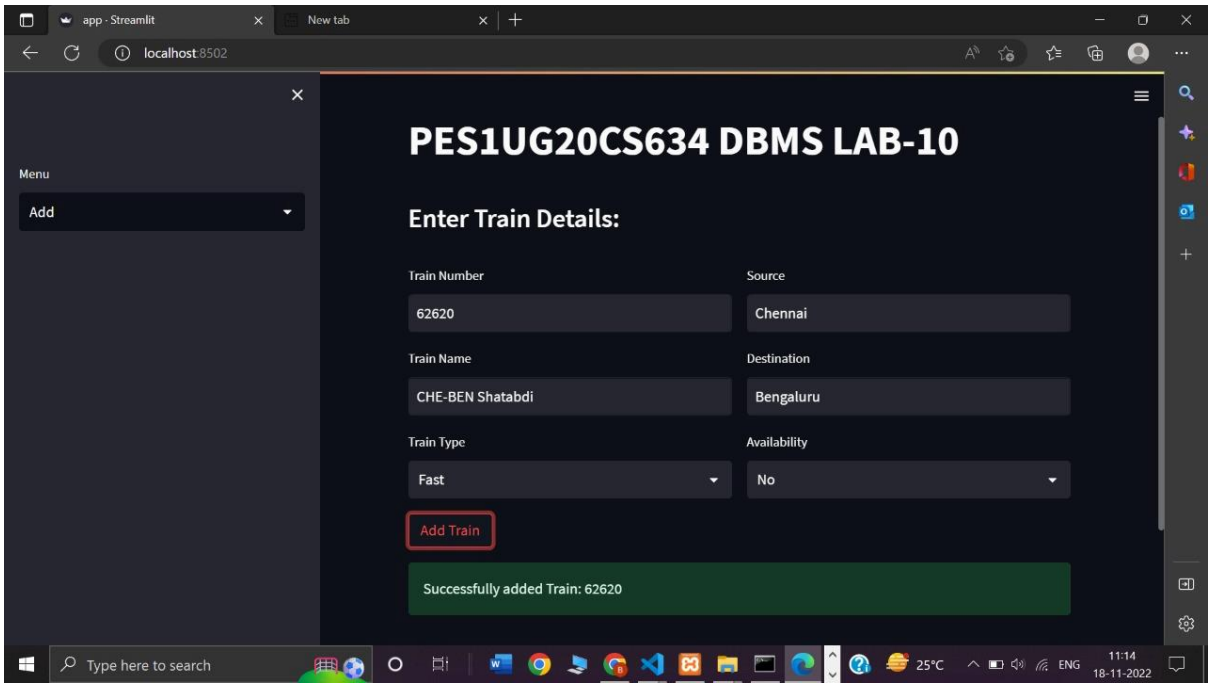
	Field	Type	Null	Key	Default	Extra
▶	Train_No	int	YES		NULL	
	Name	varchar(30)	YES		NULL	
	Train_Type	varchar(20)	YES		NULL	
	Source	varchar(20)	YES		NULL	
	Destination	varchar(20)	YES		NULL	
	Availability	varchar(5)	YES		NULL	

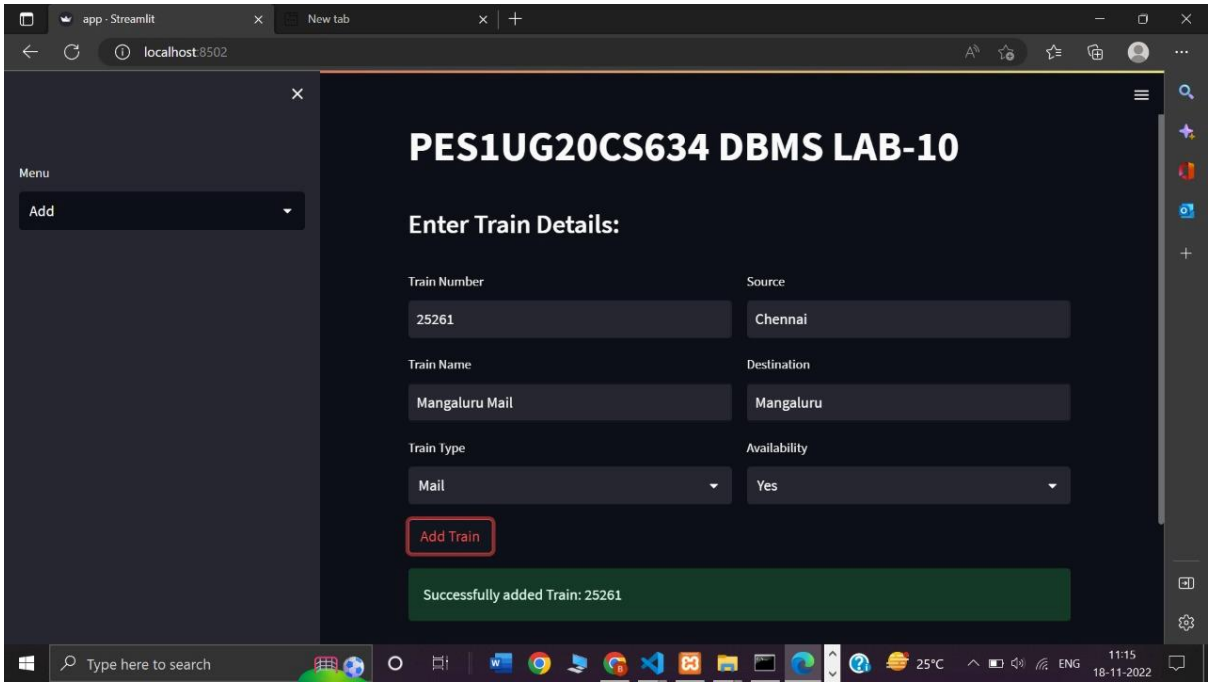
```
select * from train;
```

	Train_No	Name	Train_Type	Source	Destination	Availability

2. Screenshot of the User Interface.







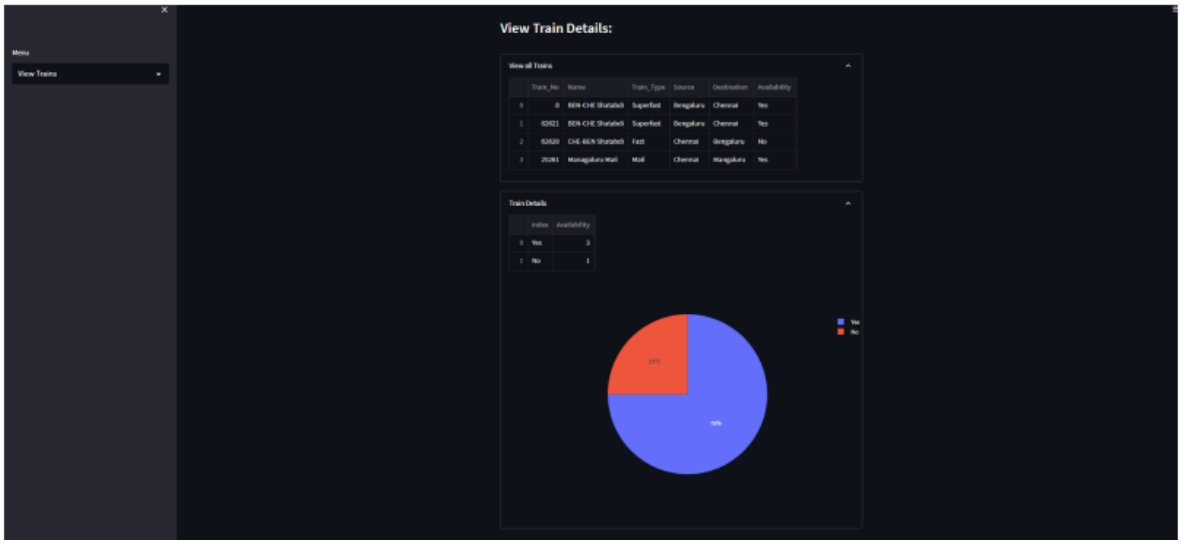
3. Screenshot of the 3 records in the train table from MySQL WorkBench.

```
select * from train;
```

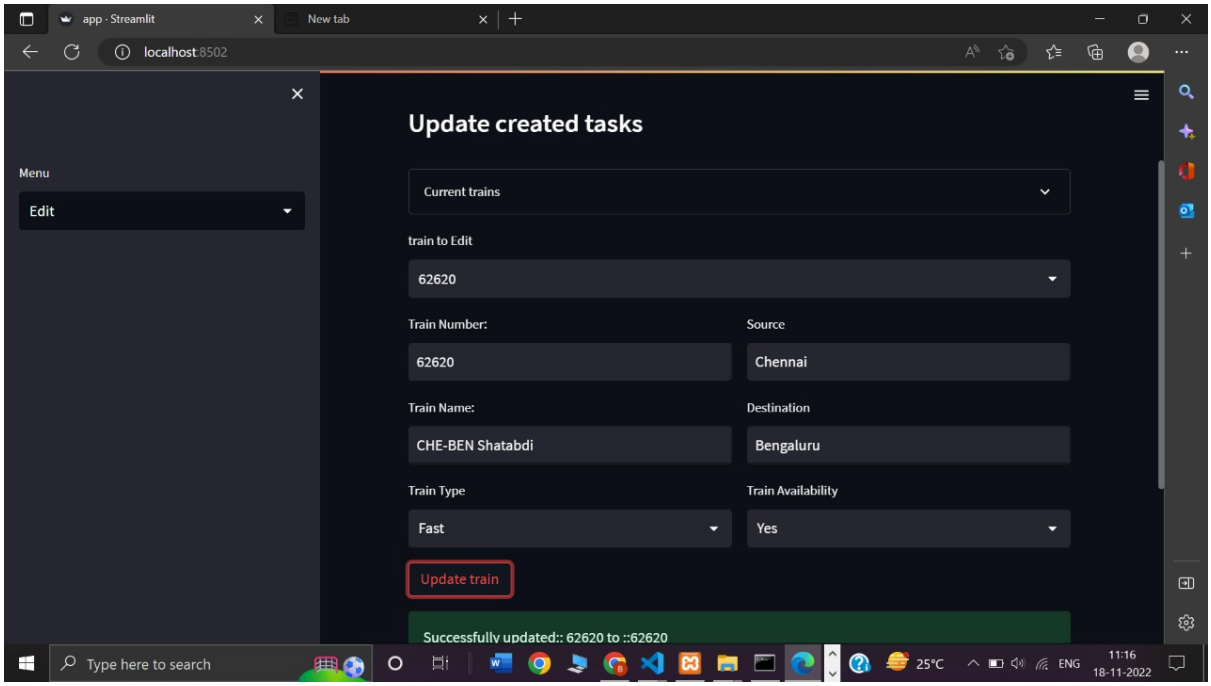
OUTPUT:

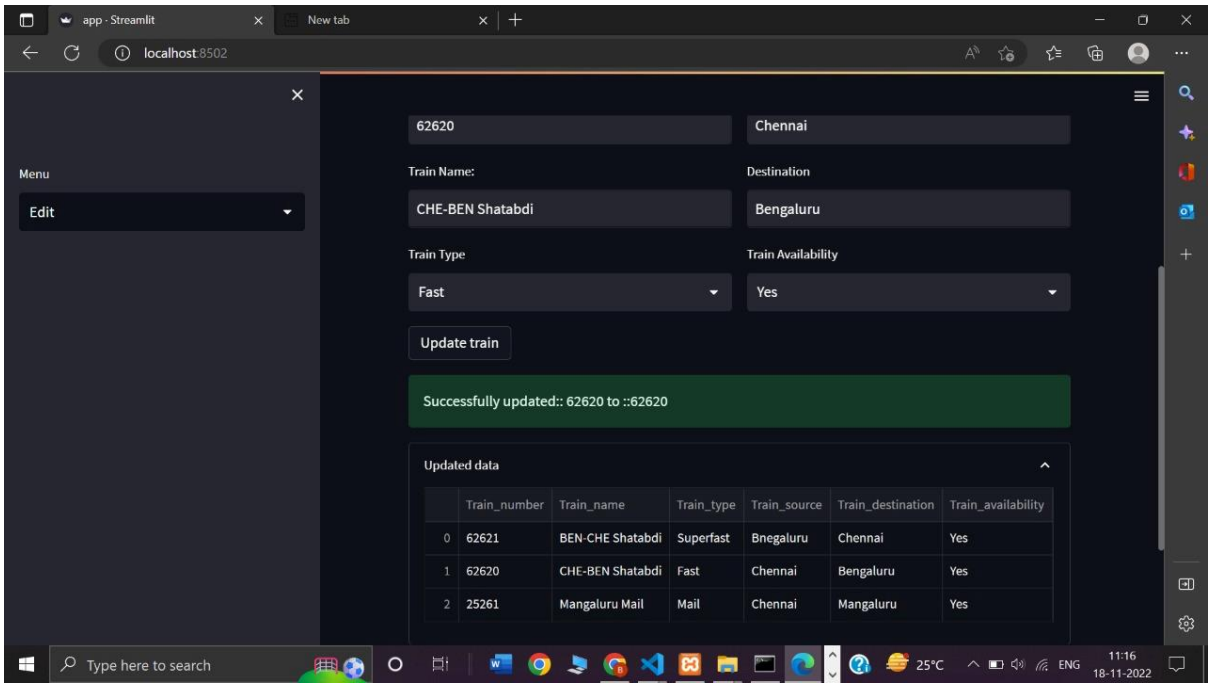
Train_No	Name	Train_Type	Source	Destination	Availability
0	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	Yes
62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	Yes
62620	CHE-BEN Shatabdi	Fast	Chennai	Bengaluru	No
25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

4. Screenshot of the same 3 records visualized in the User Interface.



5. Screenshot of Updated Train_No 62620 in the User-Interface.


app - Streamlit
New tab
localhost:8502
Menu
Edit
Update created tasks
Current trains
train to Edit
62620
Train Number:
62620
Source
Chennai
Train Name:
CHE-BEN Shatabdi
Destination
Bengaluru
Train Type
Fast
Train Availability
Yes
Update train
Successfully updated:: 62620 to ::62620
Type here to search
25°C
ENG
11:16
18-11-2022


app - Streamlit
New tab
localhost:8502
Menu
Edit
62620
Chennai
Train Name:
CHE-BEN Shatabdi
Destination
Bengaluru
Train Type
Fast
Train Availability
Yes
Update train
Successfully updated:: 62620 to ::62620
Updated data
Train_number
Train_name
Train_type
Train_source
Train_destination
Train_availability
0 62621 BEN-CHE Shatabdi Superfast Bnegaluru Chennai Yes
1 62620 CHE-BEN Shatabdi Fast Chennai Bengaluru Yes
2 25261 Mangaluru Mail Mail Chennai Mangaluru Yes
Type here to search
25°C
ENG
11:16
18-11-2022

6. Screenshot of User-Interface after the Train_No 25261 has been deleted.