

DATABASE MANAGEMENT SYSTEMS LAB

Week 10

Vanshika Goel

PES1UG20CS484

Section H

Roll No 40

1.

```
mysql> use Lab10_Railway_484
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_lab10_railway_484 |
+-----+
| Train                        |
+-----+
1 row in set (0.01 sec)

mysql> desc Train;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Train_No   | int           | YES  |     | NULL    |       |
| Name       | varchar(50)   | YES  |     | NULL    |       |
| Train_Type | varchar(20)   | YES  |     | NULL    |       |
| Source     | varchar(20)   | YES  |     | NULL    |       |
| Destination | varchar(20)   | YES  |     | NULL    |       |
| Availability | varchar(5)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)

mysql>
```

```
mysql> select * from Train;
Empty set (0.01 sec)

mysql>
```

Menu

View

Lab 10

View created tasks

View all Trains

Train_No	Name	Train_Type	Source	Destination	Availability

Train Details

index	Availability

2.

The screenshot shows a web application titled "Lab 10 Railway System" running on a browser at localhost. The interface has a dark theme. On the left, there is a sidebar with a "Menu" section containing an "Add" button. The main content area is titled "Enter Train Details:" and contains a form with the following fields:

- Train No:** A text input field containing "0.00" with minus and plus icons on the right.
- Source:** A dropdown menu with "Bengaluru" selected.
- Train Name:** A text input field that is currently empty.
- Destination:** A dropdown menu with "Bengaluru" selected.
- Train Type:** A text input field that is currently empty.
- Availability:** Radio buttons for "Yes" (selected) and "No".

Below the form is an "Add Train" button. At the bottom of the page, it says "Made with Streamlit".

3.

This screenshot shows the same "Lab 10 Railway System" web application, but with specific data entered into the form fields:

- Train No:** "62621.00"
- Source:** "Bengaluru"
- Train Name:** "BEN-CHE Shatabdi"
- Destination:** "Chennai"
- Train Type:** "Superfast"
- Availability:** "Yes" (selected)

The "Add Train" button is still present at the bottom of the form. The sidebar and footer remain the same as in the previous screenshot.

Menu

Add

localhost

Lab 10 Railway System

Enter Train Details:

Train No:

62620.00

Source

Chennai

Train Name:

CHE-BEN Shatabdi

Destination

Bengaluru

Train Type:

Fast

Availability

☐ Yes

☒ No

Add Train

Made with Streamlit

Menu

Add

localhost

Lab 10 Railway System

Enter Train Details:

Train No:

25261.00

Source

Chennai

Train Name:

Managaluru Mail

Destination

Mangaluru

Train Type:

Mail

Availability

☒ Yes

☐ No

Add Train

Made with Streamlit

```
mysql> select * from Train;
```

Train_No	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

```
3 rows in set (0.01 sec)

mysql>
```

4.

Lab 10 Railway System

View created tasks

View all Trains

	Train_No	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

Train Details

Made with Streamlit

5.

Lab 10 Railway System

Update created tasks

Current trains

Train to Edit

CHE-BEN Shatabdi

ID: 62620 Source: Fast

Name: CHE-BEN Shatabdi Destination: Chennai

Bengaluru Superfast

No Yes

Update Train

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

Menu

View

Lab 10 Railway System

View created tasks

View all Trains

	Train_No	Name	Train_Type	Source	Destination	Availability
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	Yes
1	62620	CHE-BEN Shatabdi	Fast	Chennai	Superfast	Yes
2	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

Train Details

Made with Streamlit

6.

Menu

Remove

Lab 10 Railway System

Delete created tasks

Current data

	Train_No	Name	Train_Type	Source	Destination	Availability
0	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	Yes
1	62620	CHE-BEN Shatabdi	Fast	Chennai	Superfast	Yes
2	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes

Train to Delete

Managaluru Mail

Do you want to delete ::Managaluru Mail

Delete train

Train has been deleted successfully

Updated data

```
mysql> select * from Train;
+-----+-----+-----+-----+-----+-----+
| Train_No | Name          | Train_Type | Source | Destination | Availability |
+-----+-----+-----+-----+-----+-----+
| 62621 | BEN-CHE Shatabdi | Superfast | Bengaluru | Chennai | Yes |
| 62620 | CHE-BEN Shatabdi | Fast      | Chennai  | Superfast | Yes |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```