

DATABASE MANAGEMENT

SYSTEM

LAB 4

DML COMMANDS

NAME: VISHWAS M

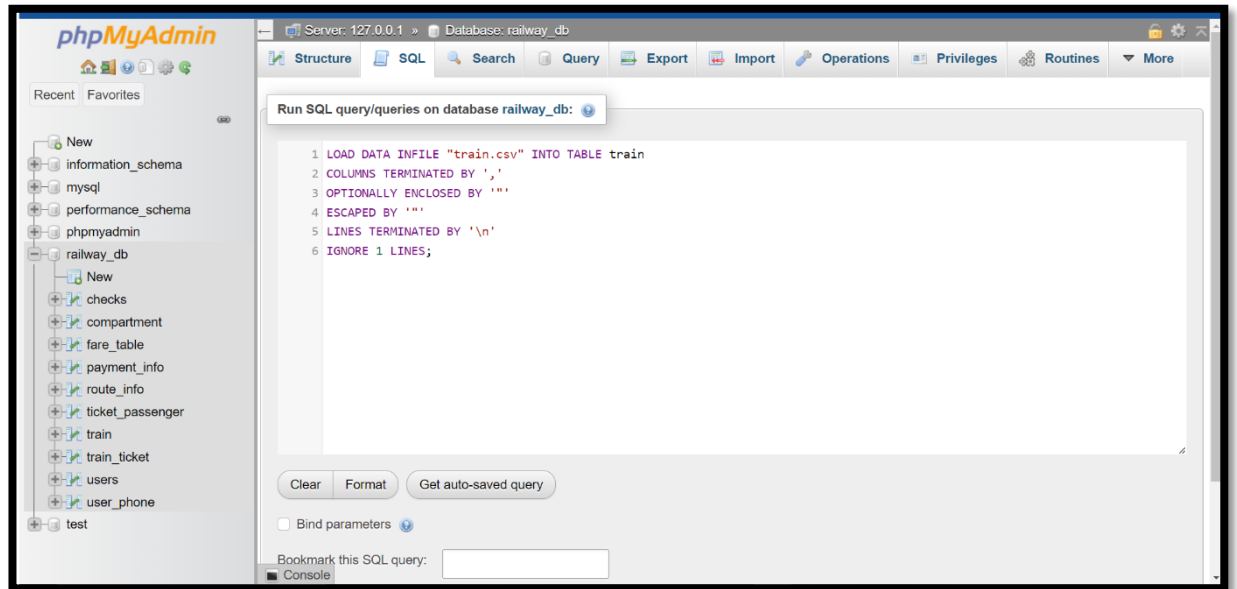
SRN: PES2UG20CS390

SEC: F

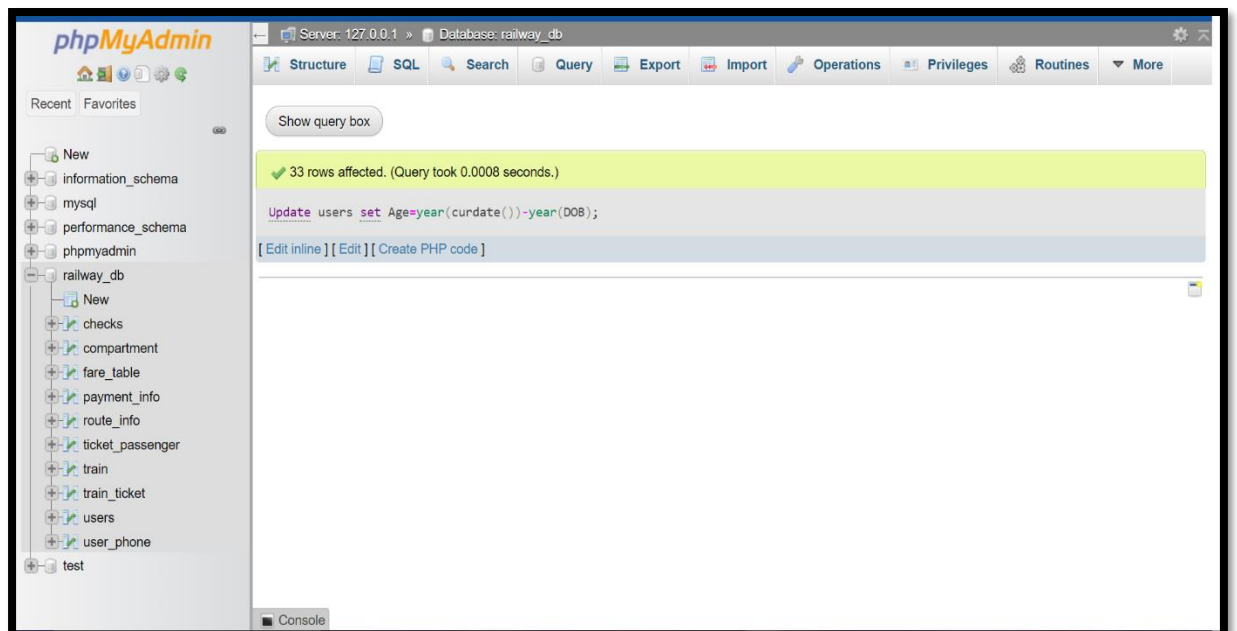
DATE : 10/09/2022

TASK 1 QUERIES:

1)



2)



3)

```
✓ Showing rows 0 - 11 (12 total, Query took 0.0009 seconds.)

SELECT * FROM route_info WHERE distance>70 and distance<150;

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

4)

```
✓ Showing rows 0 - 2 (3 total, Query took 0.0014 seconds.)

SELECT * FROM route_info WHERE (from_station_name='chennai' or from_station_name='sholingur') and (to_station_name='chennai' or
to_station_name='sholingur');

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

5)

```
✓ Showing rows 0 - 4 (5 total, Query took 0.0009 seconds.)

SELECT * FROM train WHERE train_type!='mail';

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

6)

```
✓ Showing rows 0 - 2 (3 total, Query took 0.0013 seconds.)

SELECT train_name FROM train inner join train_ticket on train_ticket.train_no=train.Train_no where
train_ticket.departure='chennai' and train_ticket.departure_time>='08:00:00';

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

7)

```
✓ Showing rows 0 - 0 (1 total, Query took 0.0010 seconds.)

SELECT * FROM train WHERE source='bengaluru' and destination='chennai';

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

8)

```
✓ Showing rows 0 - 8 (9 total, Query took 0.0005 seconds.)

select * from users where year(dob)>1980 and year(dob)<1990;

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

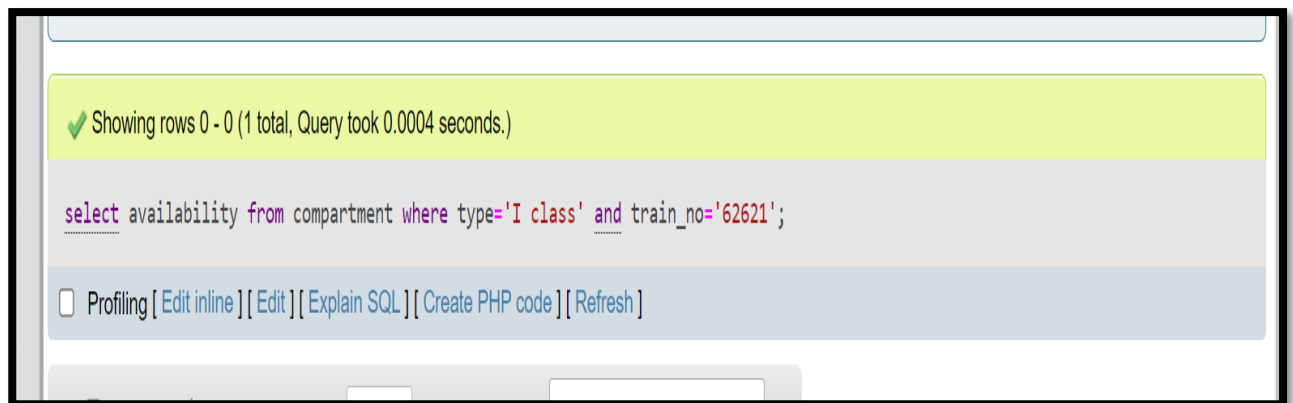
9)

```
✓ Showing rows 0 - 8 (9 total, Query took 0.0005 seconds.)

select * from users where F_name like 's%';

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
```

10)




✓ Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

```
select availability from compartment where type='I class' and train_no='62621';
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

11)



✓ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
select transaction_id,pnr from payment_info where bank='union bank';
```

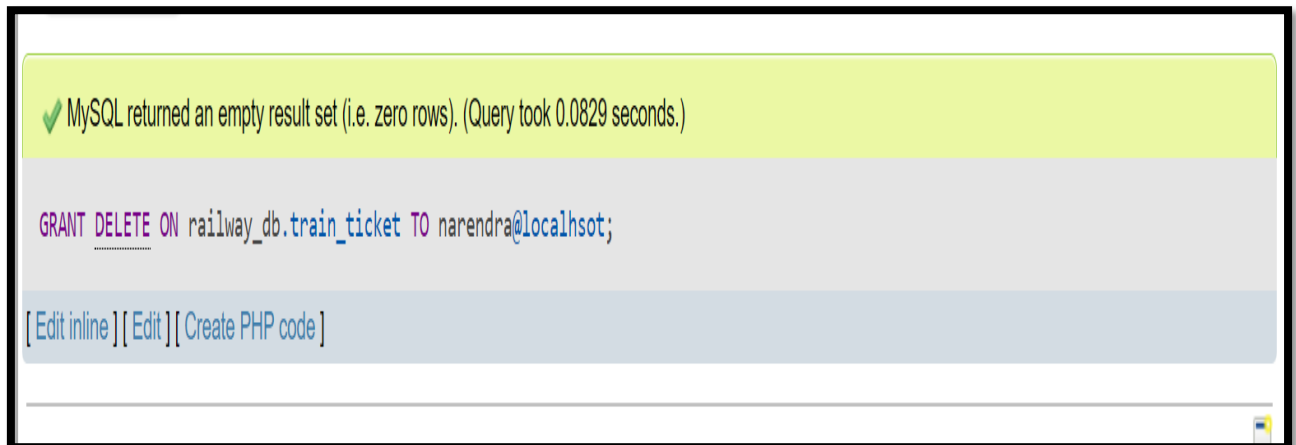
☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

TASK 2 QUERIES:

1)

i)

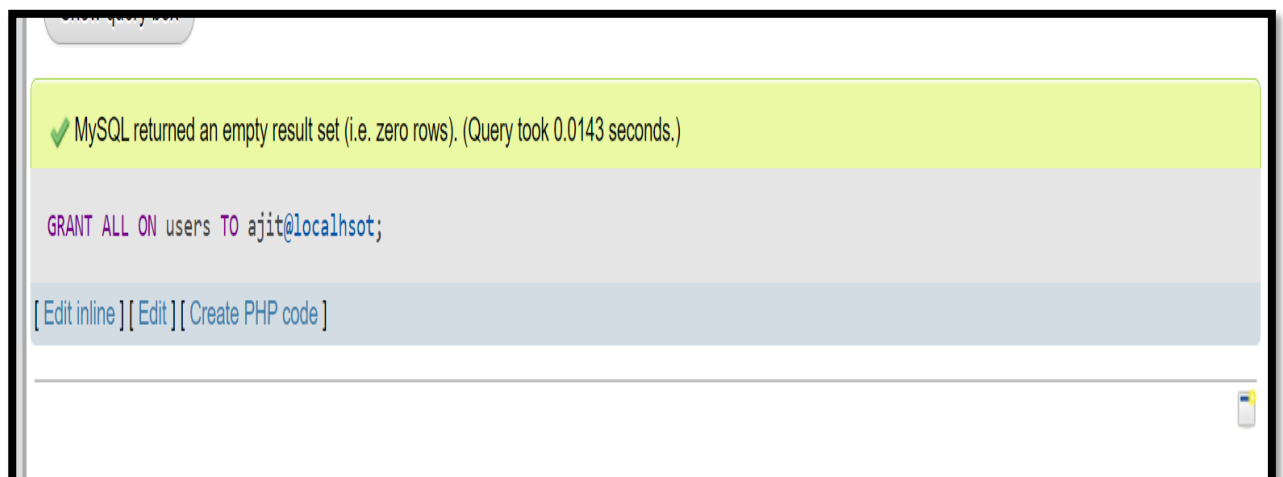


✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0829 seconds.)

```
GRANT DELETE ON railway_db.train_ticket TO narendra@localhsot;
```

[Edit inline] [Edit] [Create PHP code]

ii)



✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0143 seconds.)

```
GRANT ALL ON users TO ajit@localhsot;
```

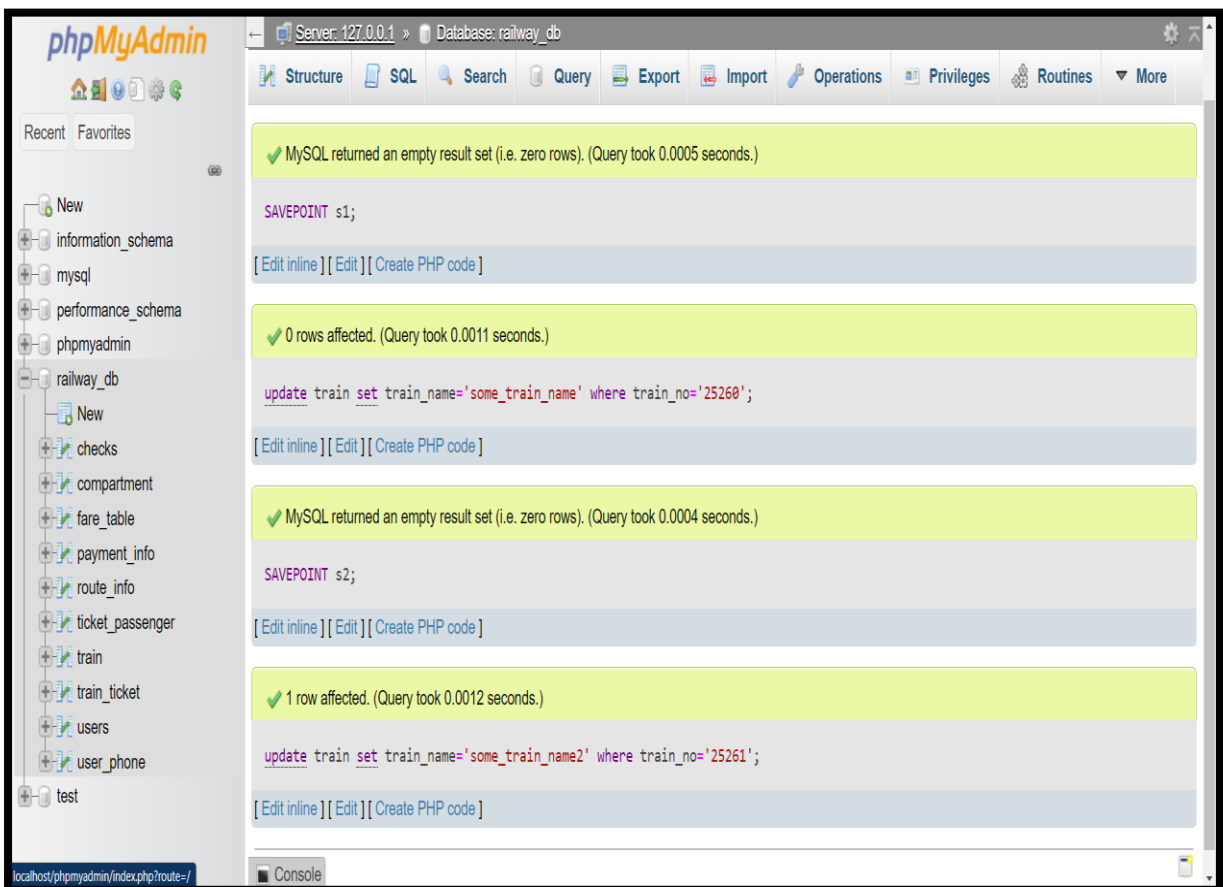
[Edit inline] [Edit] [Create PHP code]

2)



A screenshot of a MySQL query execution result in phpMyAdmin. The top bar shows a green checkmark and the message: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0046 seconds)". Below this, the SQL query is displayed: `revoke update, delete on railway.* from 'demo'@'localhost';`. At the bottom, there are links: "[Edit inline] [Edit] [Create PHP code]".

3)Creating savepoints:

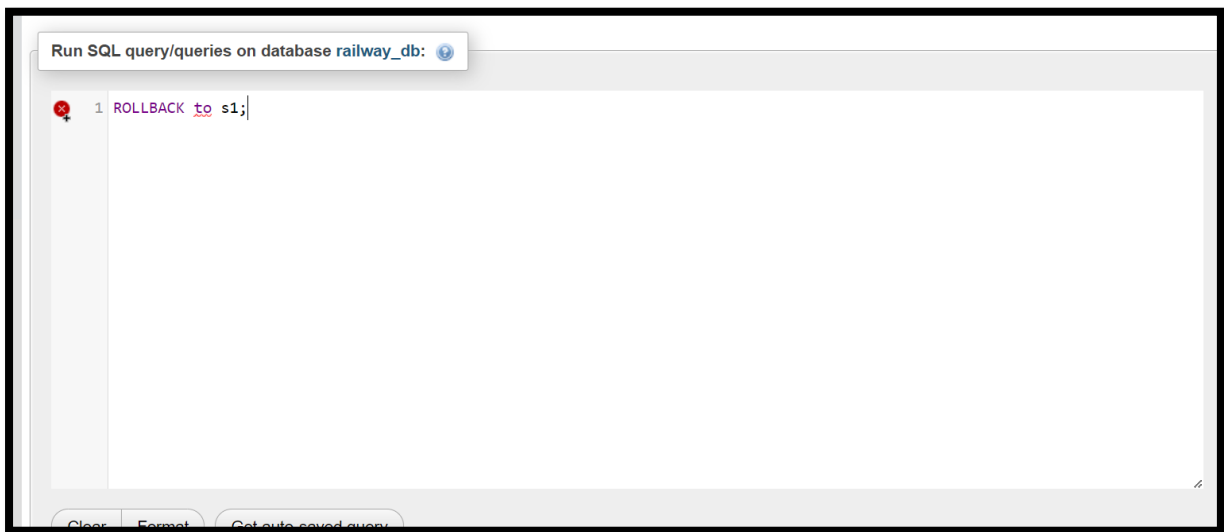


A screenshot of the phpMyAdmin interface showing a sequence of SQL queries executed in the 'railway_db' database. The left sidebar shows the database structure with tables like 'checks', 'compartment', 'fare_table', 'payment_info', 'route_info', 'ticket_passenger', 'train', 'train_ticket', 'users', 'user_phone', and 'test'. The main panel displays the following queries and their results:

- Query 1: `SAVEPOINT s1;` - Result: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)"
- Query 2: `update train_set train_name='some_train_name' where train_no='25260';` - Result: "0 rows affected. (Query took 0.0011 seconds.)"
- Query 3: `SAVEPOINT s2;` - Result: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)"
- Query 4: `update train_set train_name='some_train_name2' where train_no='25261';` - Result: "1 row affected. (Query took 0.0012 seconds.)"

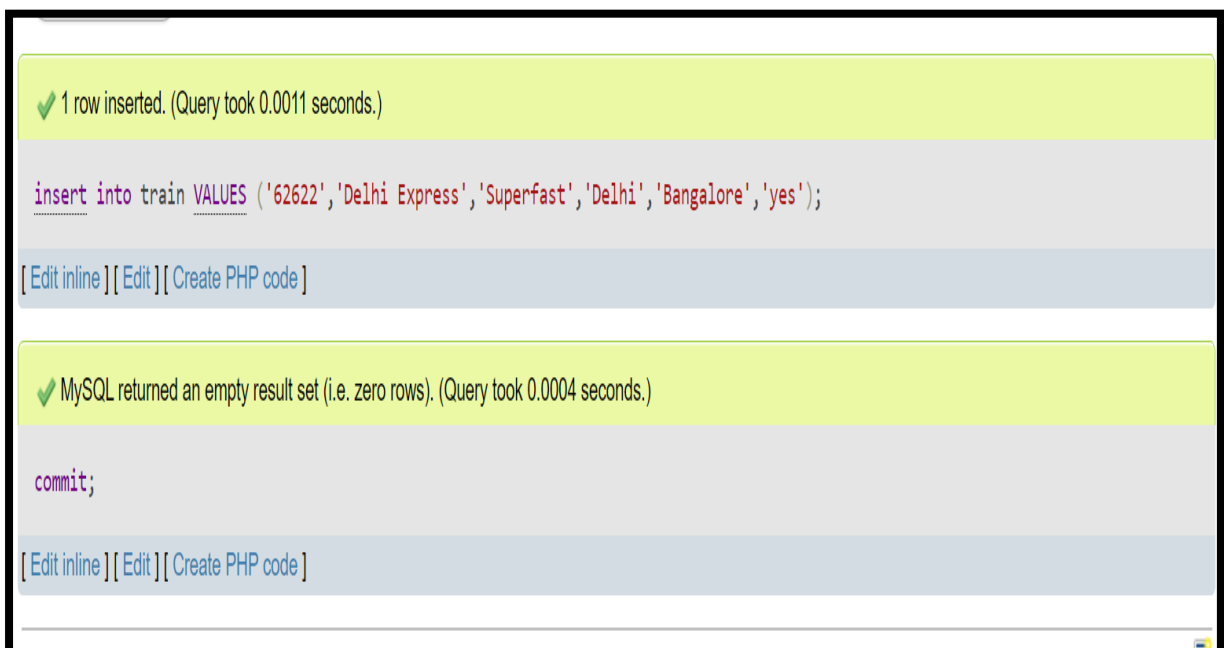
Each query block includes links for "[Edit inline]", "[Edit]", and "[Create PHP code]". The bottom status bar shows the URL "localhost/phpmyadmin/index.php?route=/" and a "Console" button.

Rollback to savepoint s1:



A screenshot of a web-based SQL query editor. The title bar reads "Run SQL query/queries on database railway_db:". The main text area contains a single line of SQL code: "1 ROLLBACK to s1;". The code is color-coded: "1" is in grey, "ROLLBACK" is in purple, "to" is in red, and "s1;" is in black. Below the text area, there are three buttons: "Clear", "Format", and "Get auto saved query".

Using commit:



A screenshot of a web-based SQL query editor showing two separate query executions. The first execution is highlighted with a light green background and shows a success message: "✓ 1 row inserted. (Query took 0.0011 seconds.)". Below this, the SQL code "insert into train VALUES ('62622','Delhi Express','Superfast','Delhi','Bangalore','yes');" is displayed in a grey text area. The second execution is also highlighted with a light green background and shows a success message: "✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)". Below this, the SQL code "commit;" is displayed in a grey text area. Both code blocks have links for "[Edit inline]", "[Edit]", and "[Create PHP code]" below them.