DBMS – UE20CS301 Lab

Lab 7

Name: Vishwa Mehul Mehta

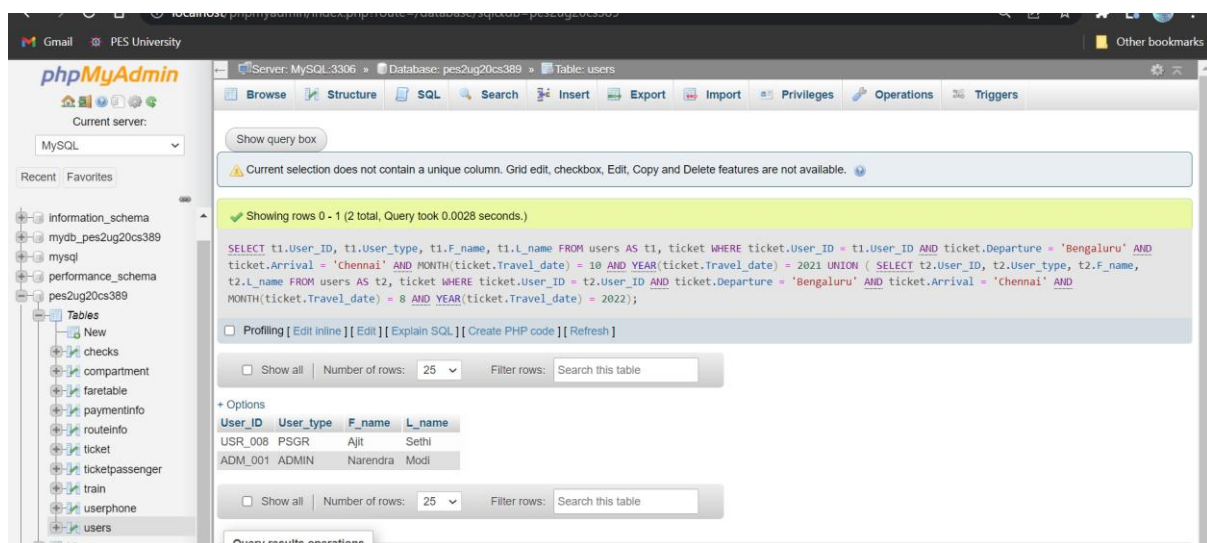**Sec:** F

SRN: PES2UG20CS389

1.

2.

Server: MySQL:3306 » Database: pes2ug20cs389 » Table: users

Browse   Structure   SQL   Search   Insert   Export   Import   Privileges   Operations   Triggers

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
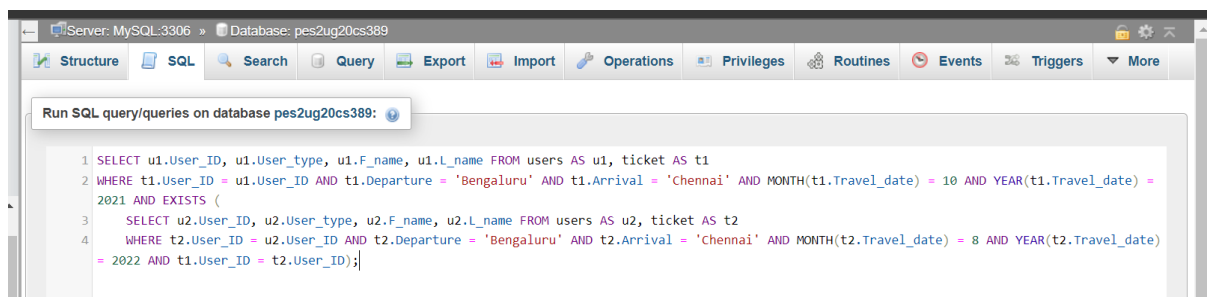
✔ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT u1.User_ID, u1.User_type, u1.F_name, u1.L_name FROM users AS u1, ticket AS t1 WHERE t1.User_ID = u1.User_ID AND t1.Departure = 'Bengaluru' AND
t1.Arrival = 'Chennai' AND MONTH(t1.Travel_date) = 10 AND YEAR(t1.Travel_date) = 2021 AND EXISTS ( SELECT u2.User_ID, u2.User_type, u2.F_name, u2.L_name
FROM users AS u2, ticket AS t2 WHERE t2.User_ID = u2.User_ID AND t2.Departure = 'Bengaluru' AND t2.Arrival = 'Chennai' AND MONTH(t2.Travel_date) = 8 AND
YEAR(t2.Travel_date) = 2022 AND t1.User_ID = t2.User_ID);
```

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

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

+ Options

User_ID	User_type	F_name	L_name
ADM_001	ADMIN	Narendra	Modi

3.

Server: MySQL:3306 » Database: pes2ug20cs389

Structure   SQL   Search   Query   Export   Import   Operations   Privileges   Routines   Events   Triggers   ▼ More

Run SQL query/queries on database pes2ug20cs389:

```
1  SELECT u2.User_ID, u2.User_type, u2.F_name, u2.L_name FROM users AS u2, ticket AS t2
2  WHERE t2.User_ID = u2.User_ID AND t2.Departure = 'Bengaluru' AND t2.Arrival = 'Chennai' AND MONTH(t2.Travel_date) = 8 AND YEAR(t2.Travel_date) =
   2022 AND NOT EXISTS (
3      SELECT u1.User_ID, u1.User_type, u1.F_name, u1.L_name FROM users AS u1, ticket AS t1
4      WHERE t1.User_ID = u1.User_ID AND t1.Departure = 'Bengaluru' AND t1.Arrival = 'Chennai' AND MONTH(t1.Travel_date) = 10 AND
   YEAR(t1.Travel_date) = 2021 AND t1.User_ID = t2.User_ID);
```
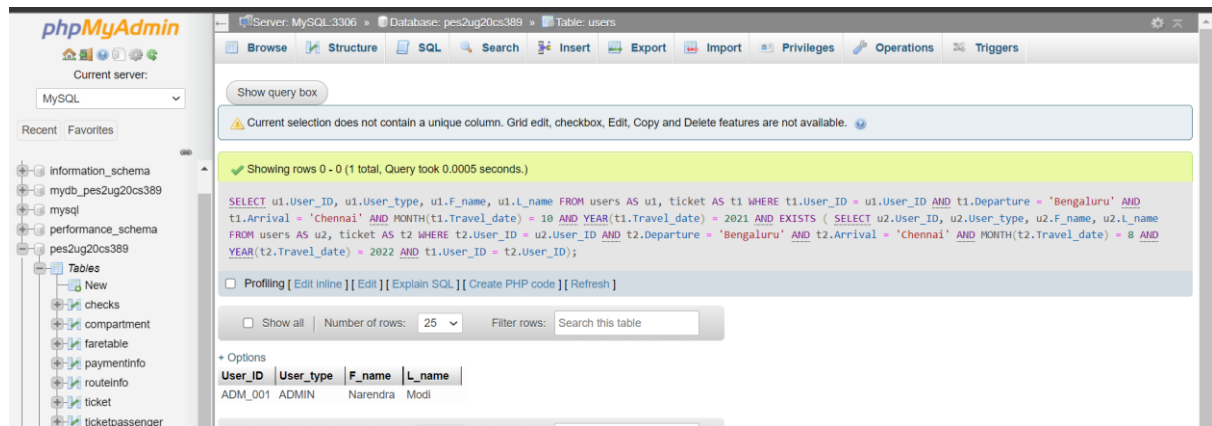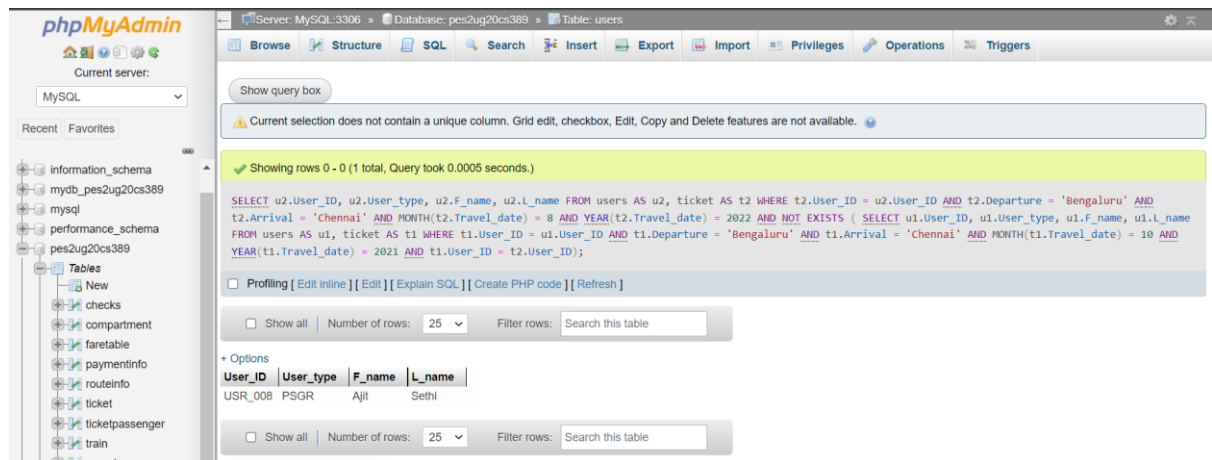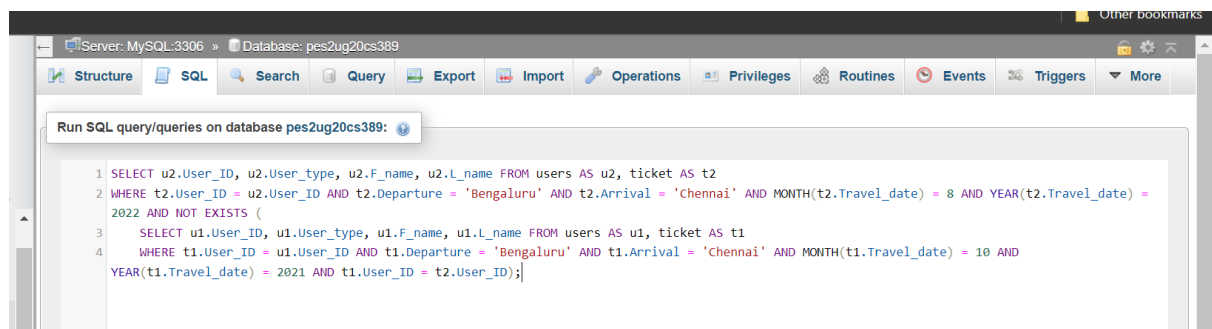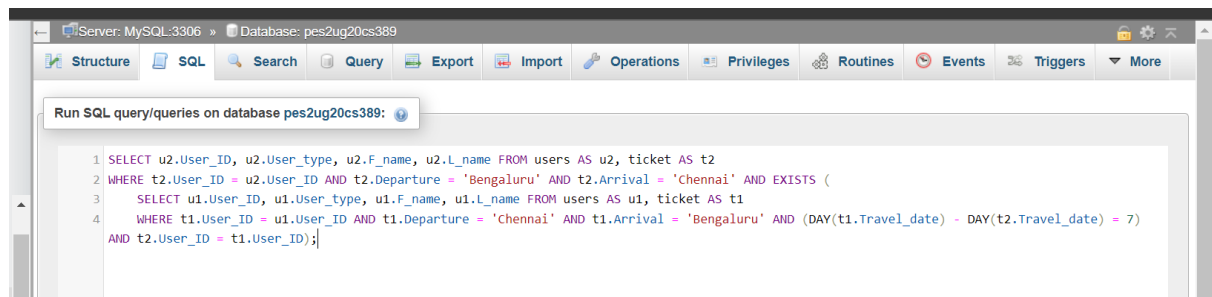
Server: MySQL:3306 » Database: pes2ug20cs389 » Table: users

Browse   Structure   SQL   Search   Insert   Export   Import   Privileges   Operations   Triggers

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

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

```
SELECT u2.User_ID, u2.User_type, u2.F_name, u2.L_name FROM users AS u2, ticket AS t2 WHERE t2.User_ID = u2.User_ID AND t2.Departure = 'Bengaluru' AND
t2.Arrival = 'Chennai' AND MONTH(t2.Travel_date) = 8 AND YEAR(t2.Travel_date) = 2022 AND NOT EXISTS ( SELECT u1.User_ID, u1.User_type, u1.F_name, u1.L_name
FROM users AS u1, ticket AS t1 WHERE t1.User_ID = u1.User_ID AND t1.Departure = 'Bengaluru' AND t1.Arrival = 'Chennai' AND MONTH(t1.Travel_date) = 10 AND
YEAR(t1.Travel_date) = 2021 AND t1.User_ID = t2.User_ID);
```

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

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

+ Options

User_ID	User_type	F_name	L_name
USR_008	PSGR	Ajit	Sethi

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

4.

Server: MySQL:3306 » Database: pes2ug20cs389

Structure   SQL   Search   Query   Export   Import   Operations   Privileges   Routines   Events   Triggers   ▼ More

Run SQL query/queries on database pes2ug20cs389:

```
1  SELECT u2.User_ID, u2.User_type, u2.F_name, u2.L_name FROM users AS u2, ticket AS t2
2  WHERE t2.User_ID = u2.User_ID AND t2.Departure = 'Bengaluru' AND t2.Arrival = 'Chennai' AND EXISTS (
3      SELECT u1.User_ID, u1.User_type, u1.F_name, u1.L_name FROM users AS u1, ticket AS t1
4      WHERE t1.User_ID = u1.User_ID AND t1.Departure = 'Chennai' AND t1.Arrival = 'Bengaluru' AND (DAY(t1.Travel_date) - DAY(t2.Travel_date) = 7)
   AND t2.User_ID = t1.User_ID);
```

5.


```sql
1  SELECT u2.User_ID, u2.User_type, u2.F_name, u2.L_name FROM users AS u2, ticket AS t2
2  WHERE t2.User_ID = u2.User_ID AND t2.Departure = 'Bengaluru' AND t2.Arrival = 'Chennai' AND NOT EXISTS (
3    SELECT u1.User_ID, u1.User_type, u1.F_name, u1.L_name FROM users AS u1, ticket AS t1
4    WHERE t1.User_ID = u1.User_ID AND t1.Departure = 'Chennai' AND t1.Arrival = 'Bengaluru' AND t2.User_ID = t1.User_ID);
```