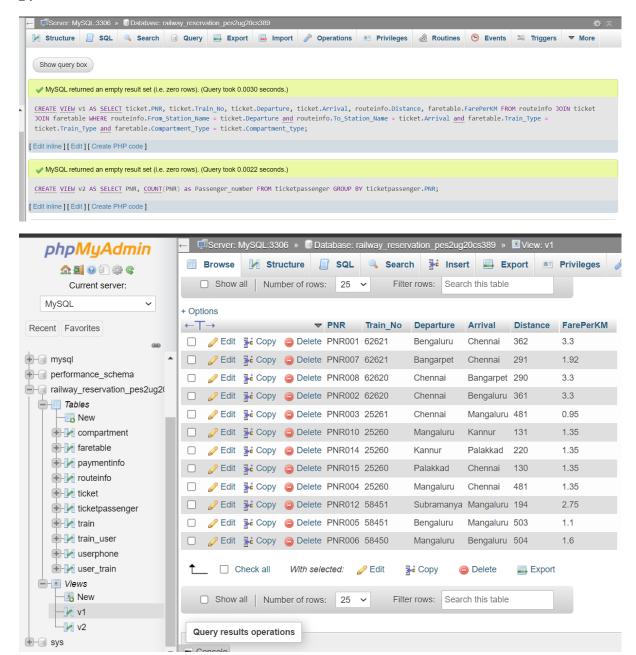# DBMS - UE20CS301 Lab

Lab 5

Name: Vishwa Mehul Mehta

Sec: F

SRN: PES2UG20CS389

1.

Current server:

MySQL

Recent Favorites

- mysql
- performance_schema
- railway_reservation_pes2ug2(
  - Tables
    - New
    - compartment
    - faretable
    - paymentinfo
    - routeinfo
    - ticket
    - ticketpassenger
    - train
    - train_user
    - userphone
    - user_train
  - Views
    - New
    - v1
    - v2
- sys

Server: MySQL:3306 » Database: railway_reservation_pes2ug20cs389 » View: v2

Browse | Structure | SQL | Search | Export | Privileges

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

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

+ Options

PNR	Passenger_number
PNR001	2
PNR002	2
PNR003	2
PNR004	2
PNR005	4
PNR006	1
PNR007	1
PNR008	1
PNR009	2
PNR010	2
PNR011	1
PNR012	1
PNR013	1
PNR014	1
PNR015	1

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

Console sults operations

Server: MySQL:3306 » Database: pes2ug20cs389

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

Show query box

✔ 8 rows affected. (Query took 0.0044 seconds.)

UPDATE paymentinfo JOIN v1 JOIN v2 SET paymentinfo.Price = v1.Distance * v1.fare_per_km * v2.Passenger_number WHERE paymentinfo.PNR = v1.PNR and paymentinfo.PNR = v2.PNR;

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

2.

SELECT routeinfo.From_station_name, routeinfo.To_station_name, routeinfo.Distance FROM routeinfo NATURAL JOIN train WHERE routeinfo.From_station_name = train.Source;

From_station_name	To_station_name	Distance
Bengaluru	Bangarpet	71
Bengaluru	Katpadi	232
Bengaluru	Sholigur	272
Bengaluru	Chennai	362
Chennai	Sholingur	90
Chennai	Katpadi	129
Chennai	Bangarpet	290
Chennai	Bengaluru	361
Chennai	Palakkad	130
Chennai	Kannur	350
Chennai	Mangaluru	481
Mangaluru	Kannur	131
Mangaluru	Palakkad	351
Mangaluru	Chennai	481
Bengaluru	Mysore	139
Bengaluru	Subramanya	309
Bengaluru	Mangaluru	503
Mangaluru	Subramanya	195
Mangaluru	Mysore	365
Mangaluru	Bengaluru	504

3.

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

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 0.0017 seconds.)

```sql
SELECT DISTINCT ticket.Train_no FROM ticket INNER JOIN compartment WHERE compartment.Availability > 10 AND ticket.Departure = 'Bengaluru' and ticket.Arrival = 'Chennai';
```

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

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

+ Options

Train_no
62621

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

4.

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

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 - 9 (10 total, Query took 0.0005 seconds.)

```sql
SELECT DISTINCT ticketpassenger.name FROM ticketpassenger INNER JOIN paymentinfo WHERE paymentinfo.Price > 500;
```

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

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

+ Options

name
Saideepak Reddy
Sheela Reddy
Christon D Souza
Anwar Hussein
Karishma Husein
Hema Ullal
Hima Ullal
Asha Ullal
Smriti irani
Ajit Ullal

5.

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

Show query box

✔ Showing rows 0 - 12 (13 total, Query took 0.0005 seconds.)

SELECT DISTINCT users.F_name, users.L_name, users.DOB, ticket.PNR FROM users JOIN ticket ON users.User_ID = ticket.User_ID;

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

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

+ Options

F_name	L_name	DOB	PNR
Narendra	Modi	1989-04-14	PNR001
Narendra	Modi	1989-04-14	PNR002
Droupadi	Murmu	1990-04-14	PNR007
Droupadi	Murmu	1990-04-14	PNR008
Manmohan	Singh	1991-04-08	PNR003
Manmohan	Singh	1991-04-08	PNR004
Muhammed	Ali	2000-10-09	PNR005
Muhammed	Ali	2000-10-09	PNR006
Smriti	Irani	1999-12-16	PNR010
Ajit	Sethi	1966-04-14	PNR011
Arjun	Allu	1967-04-08	PNR012
Samanta	Prabhu	1968-04-14	PNR014
Rahul	Gandhi	1970-04-08	PNR015

6.

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Triggers

✔ Showing rows 0 - 24 (416 total, Query took 0.0012 seconds.)

SELECT users.F_name, users.L_name FROM users LEFT OUTER JOIN ticket ON users.User_ID != ticket.User_ID;

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

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

+ Options

F_name	L_name
Droupadi	Murmu
Manmohan	Singh
Ajit	Ullal
Muhammed	Ali
Sai Deepak	Reddy
Rudra	Agarwal
Rahul	Khanna
Nirmala	Seturaman
Smriti	Irani
Ajit	Sethi
Arjun	Allu
Samanta	Prabhu
Kiran	Bedi
Rahul	Gandhi
Rashkit	Shetty
Rishi	Sunak
Vedavalli	Srinath
Subbu	Saravana
Sheela	Dixit
Margaret	Alva
Arun	Kumar
Anshu	Bhardwaj
Suma	Sampat
Srihari	Udupa
Satish	Kotian

7.

Structure | SQL | Search | Query | Export | Import | Operations | Privileges | Routines | Events | Triggers

✔ Showing rows 0 - 12 (13 total, Query took 0.0006 seconds.)

SELECT ticket.PNR, ticket.Train_no, ticket.Travel_date, users.F_name, users.L_name FROM users RIGHT JOIN ticket ON users.User_ID = ticket.User_ID;

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

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

+ Options

PNR	Train_no	Travel_date	F_name	L_name
PNR001	62621	2022-08-07	Narendra	Modi
PNR002	62620	2022-08-14	Narendra	Modi
PNR007	62621	2022-08-07	Droupadi	Murmu
PNR008	62620	2022-08-02	Droupadi	Murmu
PNR003	25261	2022-08-01	Manmohan	Singh
PNR004	25260	2022-08-15	Manmohan	Singh
PNR005	58451	2022-08-03	Muhammed	Ali
PNR006	58450	2033-08-04	Muhammed	Ali
PNR010	25260	2022-08-19	Smriti	Irani
PNR011	62621	2022-08-22	Ajit	Sethi
PNR012	58451	2022-08-11	Arjun	Allu
PNR014	25260	2022-08-17	Samanta	Prabhu
PNR015	25260	2022-08-05	Rahul	Gandhi

8.

Structure | SQL | Search | Query | Export | Import | Operations | Privileges | Routines | Event

Show query box

✔ Showing rows 0 - 13 (14 total, Query took 0.0019 seconds.)

SELECT ticket.User_ID, ticket.Train_no, train.Train_name FROM ticket RIGHT OUTER JOIN train ON ticket.Train_no = train.Train_no;

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

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

+ Options

User_ID	Train_no	Train_name
ADM_001	62621	BEN-CHE Shatabdi
ADM_001	62620	CHE-BEN Shatabdi
ADM_003	25261	Managaluru Mail
ADM_003	25260	Chennai Mail
USR_002	58451	BEN-MAN Express
USR_002	58450	MAN-BEN Express
ADM_002	62621	BEN-CHE Shatabdi
ADM_002	62620	CHE-BEN Shatabdi
USR_007	25260	Chennai Mail
USR_008	62621	BEN-CHE Shatabdi
USR_009	58451	BEN-MAN Express
USR_010	25260	Chennai Mail
USR_012	25260	Chennai Mail

Console

9.

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

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges |

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 - 4 (5 total, Query took 0.0005 seconds.)

```sql
SELECT DISTINCT train.Train_no FROM train WHERE train.Destination != 'Mangaluru';
```

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

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

+ Options

Train_no
0
25260
58450
62620
62621

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

10.

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

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Triggers

✔ Showing rows 0 - 8 (9 total, Query took 0.0038 seconds.)

```sql
SELECT DISTINCT ticket.User_ID FROM ticket JOIN paymentinfo WHERE paymentinfo.Price > (SELECT AVG(paymentinfo.Price) FROM paymentinfo);
```

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

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

+ Options

User_ID
ADM_001
ADM_003
USR_002
ADM_002
USR_007
USR_008
USR_009
USR_010
USR_012