

# DBMS - UE20CS301 Lab

## Lab 5

Name: Vishwa Mehul Mehta

Sec: F

SRN: PES2UG20CS389

1.

Server: MySQL:3306 » Database: railway\_reservation\_pes2ug20cs389

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

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0030 seconds.)

```
CREATE VIEW v1 AS SELECT ticket.PNR, ticket.Train_No, ticket.Departure, ticket.Arrival, routeinfo.Distance, faretable.FarePerKM FROM routeinfo JOIN ticket JOIN faretable WHERE routeinfo.From_Station_Name = ticket.Departure and routeinfo.To_Station_Name = ticket.Arrival and faretable.Train_Type = ticket.Train_Type and faretable.Compartment_Type = ticket.Compartment_Type;
```

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

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0022 seconds.)

```
CREATE VIEW v2 AS SELECT PNR, COUNT(PNR) as Passenger_number FROM ticketpassenger GROUP BY ticketpassenger.PNR;
```

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

phpMyAdmin

Current server: MySQL

Recent Favorites

mysql  
performance\_schema  
railway\_reservation\_pes2ug20cs389

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: v1

Browse Structure SQL Search Insert Export Privileges

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

+ Options

	PNR	Train_No	Departure	Arrival	Distance	FarePerKM
<input type="checkbox"/> Edit Copy Delete	PNR001	62621	Bengaluru	Chennai	362	3.3
<input type="checkbox"/> Edit Copy Delete	PNR007	62621	Bangarpet	Chennai	291	1.92
<input type="checkbox"/> Edit Copy Delete	PNR008	62620	Chennai	Bangarpet	290	3.3
<input type="checkbox"/> Edit Copy Delete	PNR002	62620	Chennai	Bengaluru	361	3.3
<input type="checkbox"/> Edit Copy Delete	PNR003	25261	Chennai	Mangaluru	481	0.95
<input type="checkbox"/> Edit Copy Delete	PNR010	25260	Mangaluru	Kannur	131	1.35
<input type="checkbox"/> Edit Copy Delete	PNR014	25260	Kannur	Palakkad	220	1.35
<input type="checkbox"/> Edit Copy Delete	PNR015	25260	Palakkad	Chennai	130	1.35
<input type="checkbox"/> Edit Copy Delete	PNR004	25260	Mangaluru	Chennai	481	1.35
<input type="checkbox"/> Edit Copy Delete	PNR012	58451	Subramanya	Mangaluru	194	2.75
<input type="checkbox"/> Edit Copy Delete	PNR005	58451	Bengaluru	Mangaluru	503	1.1
<input type="checkbox"/> Edit Copy Delete	PNR006	58450	Mangaluru	Bengaluru	504	1.6

☐ Check all With selected: Edit Copy Delete Export

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

Query results operations

phpMyAdmin

Current server: MySQL

Recent Favorites

- mysql
- performance\_schema
- railway\_reservation\_pes2ug20cs389
  - 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

Cancel Results 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 ]

phpMyAdmin

Current server: MySQL

Recent Favorites

- mydb\_pes2ug20cs389
- mysql
- performance\_schema
- pes2ug20cs389
  - Tables
    - New
    - checks
    - compartment
    - faretable
    - paymentinfo
    - routeinfo
    - ticket
    - ticketpassenger
    - train
    - userphone
    - users
  - Views
    - New
    - v1
    - v2

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

Browse Structure SQL Search Insert Export Import

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

✓ Showing rows 0 - 7 (8 total, Query took 0.0006 seconds.)

```
SELECT * FROM `paymentinfo`
```

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

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

+ Options

Transaction_id	Bank	Card_no	Price	PNR
146445	HDFC	1234325465675789	806.4	PNR006
342344	IOB	5623568276587429	2389.2	PNR001
531343	SBI	8953274872387834	1298.7	PNR004
576768	ICICI	7563564537687986	558.72	PNR007
676756	CANARA BANK	7367562354828783	2382.6	PNR002
746745	KOTAK	2545643654365765	957	PNR008
978098	INDIAN BANK	9887325842587643	2213.2	PNR005
978776	UNION BANK	1154978597435874	913.9	PNR003

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

Query results operations

2.

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

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

✓ Showing rows 0 - 19 (20 total, Query took 0.0000 seconds.)

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

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

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

+ Options

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.)

```
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.)

```
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.

Server: MySQL:3306 » Database: pes2ug20cs389

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.

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

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.

Server: MySQL:3306 » Database: pes2ug20cs389

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.

Server: MySQL:3306 » Database: pes2ug20cs389

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

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.)

```
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.)

```
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