

# DBMS – UE20CS301 Lab

## Lab 6

Name: Vishwa Mehul Mehta

Sec: F

SRN: PES2UG20CS389

1.

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

Browse

Structure

SQL

Search

Insert

Export

Import

✓ Showing rows 0 - 5 (6 total, Query took 0.0006 seconds.)

```
SELECT AVG(Distance) FROM routeinfo GROUP BY routeinfo.Train_no;
```

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

☐ Show all

Number of rows: 25 ▾

Filter rows:

+ Options

AVG(Distance)

277.1667

277.1667

280.3333

279.8333

184.4000

185.0000

☐ Show all

Number of rows: 25 ▾

Filter rows:

Query results operations

Print

Copy to clipboard

Export

Display chart

Create view

Console

2.

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

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 - 5 (6 total, Query took 0.0022 seconds.)

```
SELECT AVG(Distance) FROM routeinfo GROUP BY routeinfo.Train_no ORDER BY AVG(Distance) DESC;
```

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

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

+ Options

AVG(Distance)
280.3333
279.8333
277.1667
277.1667
185.0000
184.4000

3.

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

Browse Structure SQL Search Insert Export Import Privileges Open

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 - 5 (6 total, Query took 0.0008 seconds.)

```
SELECT Train_no, SUM(Distance) FROM routeinfo GROUP BY routeinfo.Train_no ORDER BY SUM(Distance) DESC;
```

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

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

+ Options

Train_no	SUM(Distance)
62621	1850
62620	1844
58450	1682
58451	1679
25261	1663
25260	1663

4.

Server: MySQL:3306 » Database: 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 0.0026 seconds.)

```
CREATE VIEW v3 AS SELECT Train_no AS Train_Name, COUNT(Compartment_number) AS Number_Of_Compartments FROM compartment GROUP BY compartment.Train_no;
```

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

Server: MySQL:3306 » Database: pes2ug20cs389 » View: v3

Browse Structure SQL Search Export Privileges Operations

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

✓ Showing rows 0 - 5 (6 total, Query took 0.0004 seconds.)

```
SELECT * FROM `v3`
```

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

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

+ Options

Train_Name	Number_Of_Compartments
25260	3
25261	4
58450	4
58451	2
62620	2
62621	5

✓ Showing rows 0 - 1 (2 total, Query took 0.0039 seconds.)

```
SELECT Train_Name, Number_Of_Compartments FROM v3 WHERE Number_Of_Compartments IN (SELECT MIN(v3.Number_Of_Compartments) FROM v3);
```

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

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

+ Options

Train_Name	Number_Of_Compartments
58451	2
62620	2

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

Query results operations

Server: MySQL:3306 » Database: pes2ug20cs389 » View: v3

Browse Structure SQL Search Export Privileges Operations

Query results operations

Print Copy to clipboard Export Display chart Create view

⚠ 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 0.0010 seconds.)

```
SELECT Train_Name, Number_Of_Compartments FROM v3 WHERE Number_Of_Compartments IN (SELECT MAX(v3.Number_Of_Compartments) FROM v3);
```

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

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

+ Options

Train_Name	Number_Of_Compartments
62621	5

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

Query results operations

Print Copy to clipboard Export Display chart Create view

5.

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

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 - 2 (3 total, Query took 0.0008 seconds.)

```
SELECT User_ID, COUNT(Phone_no) FROM userphone WHERE User_ID in ("ADM_001", "USR_006", "USR_010") GROUP BY userphone.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	COUNT(Phone_no)
ADM_001	2
USR_006	2
USR_010	2

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

6.

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

Browse Structure SQL Search Insert Export Import Privileges Operations

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 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT train_type, AVG(fare_per_km) AS Avg_Fare FROM faretable GROUP BY train_type ORDER BY AVG(fare_per_km) DESC;
```

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

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

+ Options

train_type	Avg_Fare
Superfast	2.1799999872843423
Fast	1.8166666825612385
Mail	1.5333333214124043

7.

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

Browse Structure SQL Search Insert Export Import Privileges Operations

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 0.0022 seconds.)

```
SELECT * FROM users WHERE users.Age IN (SELECT MAX(Age) FROM users);
```

☐ 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	Age	DOB	Pin_code	Street_no
USR_008	PSGR	Ajit	Sethi	56	1966-04-14	575001	6

8.

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

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.

Your SQL query has been executed successfully.

```
SELECT COUNT(User_ID), L_Name FROM users WHERE F_Name LIKE "%Ullal%" OR L_Name LIKE "%Ullal%";
```

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

+ Options

COUNT(User_ID)	L_Name
1	Ullal