

**DATABASE**  
**MANAGEMENT**  
**SYSTEM**  
**LAB-7**  
**SET OPERATIONS**

NAME: VISHWAS M

SRN : PES2UG20CS390

SEC : F

DATE : 13/10/2022

1)

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Run SQL query/queries on database pes2ug20cs390\_vishwas\_m:

```
1 select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket where t1.User_ID= train_ticket.User_ID
and train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=10 and
year(train_ticket.Travel_date)=2021 UNION (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2,
train_ticket where t2.User_ID= train_ticket.User_ID and train_ticket.Departure="Bengaluru" and
train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=8 and year(train_ticket.Travel_date)=2022);
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.)

```
select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket where t1.User_ID= train_ticket.User_ID and
train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=10 and
year(train_ticket.Travel_date)=2021 UNION (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2, train_ticket
where t2.User_ID= train_ticket.User_ID and train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and
MONTH(train_ticket.Travel_date)=8 and year(train_ticket.Travel_date)=2022);
```

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

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

Extra options

User_ID	User_type	F_name	L_name
ADM_001	ADMIN	Narendra	Modi
USR_008	PSGR	Ajit	Sethi

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

Query results operations

Console

2)

The screenshot shows the phpMyAdmin web interface. The left sidebar displays the database structure, including the 'pes2ug20cs390\_vishwas\_m' database with tables like 'users', 'train\_ticket', and 'train'. The main panel is titled 'Run SQL query/queries on database pes2ug20cs390\_vishwas\_m:'. It contains an SQL query that selects user details from the 'users' table and filters for travel tickets from 'Bengaluru' to 'Chennai' in October 2021, excluding those who traveled in August 2022. Below the query editor are buttons for 'Clear', 'Format', and 'Get auto-saved query', along with a 'Bind parameters' checkbox and a 'Bookmark this SQL query' field.

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Run SQL query/queries on database pes2ug20cs390\_vishwas\_m:

```
1 select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket where t1.User_ID= train_ticket.User_ID
and train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=10 and
year(train_ticket.Travel_date)=2021 and exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2,
train_ticket where t2.User_ID= train_ticket.User_ID and train_ticket.Departure="Bengaluru" and
train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=8 and year(train_ticket.Travel_date)=2022 and
t1.User_ID = t2.User_ID);
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

phpMyAdmin

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Recent Favorites

information\_schema  
mysql  
performance\_schema  
pes2ug20cs390\_vishwas\_m

Tables

New

checks  
compartment  
fare\_table  
payment\_info  
route\_info  
ticket\_passenger  
train  
train\_ticket  
users  
user\_phone

Views

phpmyadmin  
railway\_db  
test

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0393 seconds.)

```
select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket where t1.User_ID= train_ticket.User_ID and train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=10 and year(train_ticket.Travel_date)=2021 and exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2, train_ticket where t2.User_ID= train_ticket.User_ID and train_ticket.Departure="Bengaluru" and train_ticket.arrival="chennai" and MONTH(train_ticket.Travel_date)=8 and year(train_ticket.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

Extra options

	User_ID	User_type	F_name	L_name
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	ADM_001	ADMIN	Narendra	Modi

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

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

Console

3)

phpMyAdmin

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Recent Favorites

There are no favorite tables.

information\_schema  
mysql  
performance\_schema  
pes2ug20cs390\_vishwas\_m

Tables

New

checks  
compartment  
fare\_table  
payment\_info  
route\_info  
ticket\_passenger  
train  
train\_ticket  
users  
user\_phone

Views

phpmyadmin  
railway\_db  
test

Run SQL query/queries on database pes2ug20cs390\_vishwas\_m:

```
1 select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket as ti1 where t1.User_ID= ti1.User_ID and ti1.Departure="Bengaluru" and ti1.arrival="chennai" and MONTH(ti1.Travel_date)=8 and year(ti1.Travel_date)=2022 and not exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2, train_ticket as ti2 where t2.User_ID= ti2.User_ID and ti2.Departure="Bengaluru" and ti2.arrival="chennai" and MONTH(ti2.Travel_date)=10 and year(ti2.Travel_date)=2021 and ti1.User_ID = ti2.User_ID);
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

phpMyAdmin

Recent Favorites

- information\_schema
- mysql
- performance\_schema
- pes2ug20cs390\_vishwas\_m
  - Tables
    - New
    - checks
    - compartment
    - fare\_table
    - payment\_info
    - route\_info
    - ticket\_passenger
    - train
    - train\_ticket
    - users
    - user\_phone
  - Views
- phpmyadmin
- railway\_db
- test

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0180 seconds.)

```
select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket as ti1 where t1.User_ID= ti1.User_ID and ti1.Departure="Bengaluru" and ti1.arrival="chennai" and MONTH(ti1.Travel_date)=8 and year(ti1.Travel_date)=2022 and not exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as t2, train_ticket as ti2 where t2.User_ID= ti2.User_ID and ti2.Departure="Bengaluru" and ti2.arrival="chennai" and MONTH(ti2.Travel_date)=10 and year(ti2.Travel_date)=2021 and ti1.User_ID = ti2.User_ID);
```

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

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

Extra options

	User_ID	User_type	F_name	L_name
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	USR_008	PSGR	Ajit	Sethi

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

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

Console

4)



phpMyAdmin

Recent Favorites

- information\_schema
- mysql
- performance\_schema
- pes2ug20cs390\_vishwas\_m
  - Tables
    - New
    - checks
    - compartment
    - fare\_table
    - payment\_info
    - route\_info
    - ticket\_passenger
    - train
    - train\_ticket
    - users
    - user\_phone
  - Views
- phpmyadmin
- railway\_db
- test

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

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and ti1.Departure="Bengaluru" and ti1.arrival="chennai" and exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name
from users as t2, train_ticket as ti2 where t2.User_ID= ti2.User_ID and ti2.Departure="chennai" and
ti2.arrival="bengaluru" and (DAY(ti2.Travel_date)-DAY(ti1.Travel_date) = 7) and ti1.User_ID = ti2.User_ID);
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Console

phpMyAdmin

Recent Favorites

- information\_schema
- mysql
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- pes2ug20cs390\_vishwas\_m
  - Tables
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- test

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0008 seconds.)

```
select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket as ti1 where t1.User_ID= ti1.User_ID and
ti1.Departure="Bengaluru" and ti1.arrival="chennai" and exists (select t2.User_ID,t2.User_type,t2.F_name,t2.L_name from users as
t2, train_ticket as ti2 where t2.User_ID= ti2.User_ID and ti2.Departure="chennai" and ti2.arrival="bengaluru" and
(DAY(ti2.Travel_date)-DAY(ti1.Travel_date) = 7) and ti1.User_ID = ti2.User_ID);
```

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

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

Extra options

	User_ID	User_type	F_name	L_name
<input type="checkbox"/> Edit Copy Delete	ADM_001	ADMIN	Narendra	Modi

☐ Check all | With selected: Edit Copy Delete Export

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

Console

phpMyAdmin

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

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phpMyAdmin

Server: 127.0.0.1 » Database: pes2ug20cs390\_vishwas\_m » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

Show query box

Showing rows 0 - 1 (2 total, Query took 0.0007 seconds.)

```
select t1.User_ID,t1.User_type,t1.F_name,t1.L_name from users as t1, train_ticket as ti1 where t1.User_ID= ti1.User_ID and ti1.Departure="Bengaluru" and ti1.arrival="chennai" and not exists (select t2.User_ID, t2.User_type, t2.F_name, t2.L_name from users as t2, train_ticket as ti2 where t2.User_ID= ti2.User_ID and ti2.Departure="chennai" and ti2.arrival="bengaluru" and (DAY(ti2.Travel_date)-DAY(ti1.Travel_date) = 7) and ti1.User_ID = ti2.User_ID);
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	User_ID	User_type	F_name	L_name
<input type="checkbox"/> Edit Copy Delete	ADM_001	ADMIN	Narendra	Modi
<input type="checkbox"/> Edit Copy Delete	USR_008	PSGR	Ajit	Sethi

☐ Check all With selected: Edit Copy Delete Export

Console w all | Number of rows: 25 | Filter rows: Search this table