

DATABASE MANAGEMENT

SYSTEM

LAB 4

DML COMMANDS

NAME: VISHWAS M

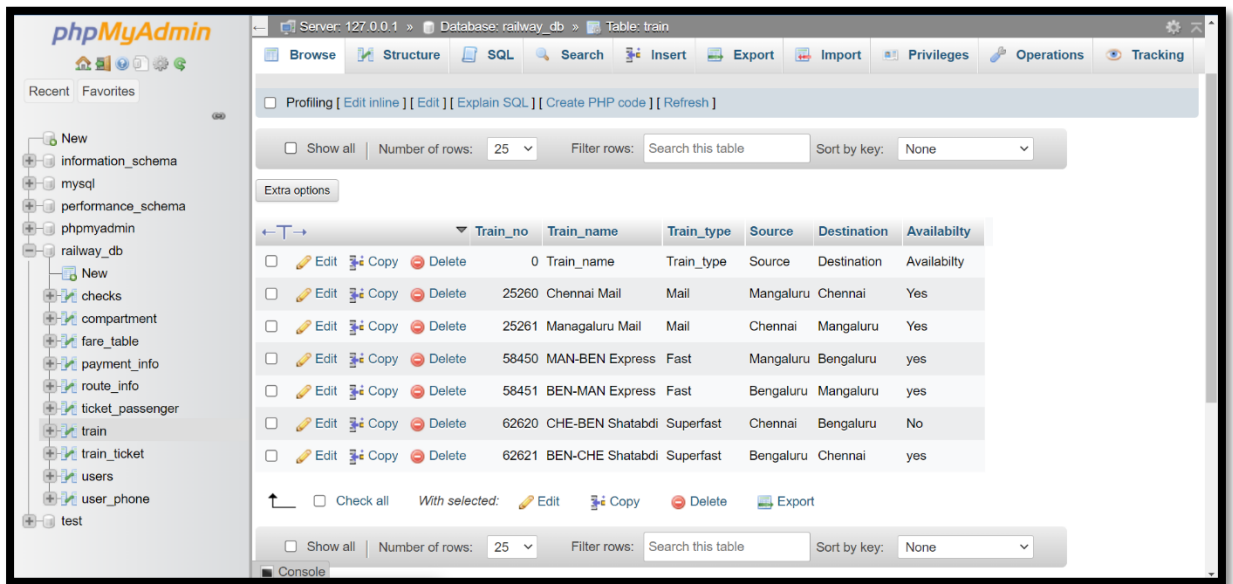
SRN: PES2UG20CS390

SEC: F

DATE : 10/09/2022

TASK 1 RESULTS:

1)



Server: 127.0.0.1 » Database: railway_db » Table: train

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

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

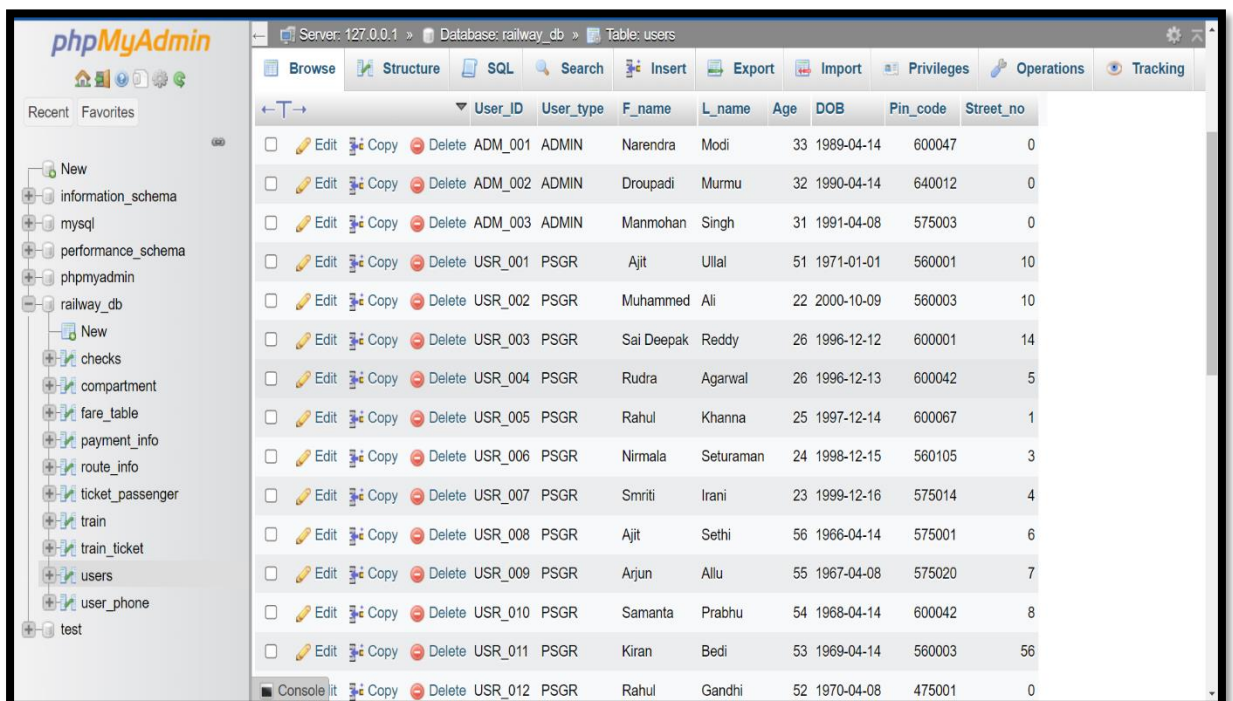
	Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	0	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	25260	Chennai Mail	Mail	Mangaluru	Chennai	Yes
<input type="checkbox"/>	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes
<input type="checkbox"/>	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
<input type="checkbox"/>	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
<input type="checkbox"/>	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
<input type="checkbox"/>	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

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

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Console

2)



Server: 127.0.0.1 » Database: railway_db » Table: users

	User_ID	User_type	F_name	L_name	Age	DOB	Pin_code	Street_no
<input type="checkbox"/>	ADM_001	ADMIN	Narendra	Modi	33	1989-04-14	600047	0
<input type="checkbox"/>	ADM_002	ADMIN	Droupadi	Murmu	32	1990-04-14	640012	0
<input type="checkbox"/>	ADM_003	ADMIN	Manmohan	Singh	31	1991-04-08	575003	0
<input type="checkbox"/>	USR_001	PSGR	Ajit	Ullal	51	1971-01-01	560001	10
<input type="checkbox"/>	USR_002	PSGR	Muhammed	Ali	22	2000-10-09	560003	10
<input type="checkbox"/>	USR_003	PSGR	Sai Deepak	Reddy	26	1996-12-12	600001	14
<input type="checkbox"/>	USR_004	PSGR	Rudra	Agarwal	26	1996-12-13	600042	5
<input type="checkbox"/>	USR_005	PSGR	Rahul	Khanna	25	1997-12-14	600067	1
<input type="checkbox"/>	USR_006	PSGR	Nirmala	Seturaman	24	1998-12-15	560105	3
<input type="checkbox"/>	USR_007	PSGR	Smriti	Irani	23	1999-12-16	575014	4
<input type="checkbox"/>	USR_008	PSGR	Ajit	Sethi	56	1966-04-14	575001	6
<input type="checkbox"/>	USR_009	PSGR	Arjun	Allu	55	1967-04-08	575020	7
<input type="checkbox"/>	USR_010	PSGR	Samanta	Prabhu	54	1968-04-14	600042	8
<input type="checkbox"/>	USR_011	PSGR	Kiran	Bedi	53	1969-04-14	560003	56
<input type="checkbox"/>	USR_012	PSGR	Rahul	Gandhi	52	1970-04-08	475001	0

Console

3)

Server: 127.0.0.1 » Database: railway_db » Table: route_info

Extra options

From_Station_no	To_station_no	From_station_name	To_station_name	Distance	Train_no
1	2	Bengaluru	Bangarpet	71	62621
4	5	Sholingur	Chennai	90	62621
3	5	Kalpadi	Chennai	130	62621
1	2	Chennai	Sholingur	90	62620
4	5	Bangarpet	Bengaluru	71	62620
1	3	Chennai	Kalpadi	129	62620
1	2	Chennai	Palakkad	130	25261
3	4	Kannur	Mangaluru	131	25261
1	2	Mangaluru	Kannur	131	25260
4	4	Palakkad	Chennai	130	25260
1	2	Bengaluru	Mysore	139	58451
3	4	Mysore	Bengaluru	139	58450

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Console results operations

4)

Server: 127.0.0.1 » Database: railway_db » Table: route_info

Extra options

From_Station_no	To_station_no	From_station_name	To_station_name	Distance	Train_no
4	5	Sholingur	Chennai	90	62621
1	2	Chennai	Sholingur	90	62620
2	5	Sholingur	Chennai	271	62620

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

5)

Database: railway_db

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/> Edit Copy Delete	0	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/> Edit Copy Delete	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
<input type="checkbox"/> Edit Copy Delete	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
<input type="checkbox"/> Edit Copy Delete	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
<input type="checkbox"/> Edit Copy Delete	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

Check all | With selected: Edit Copy Delete Export

6)

Database: railway_db

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

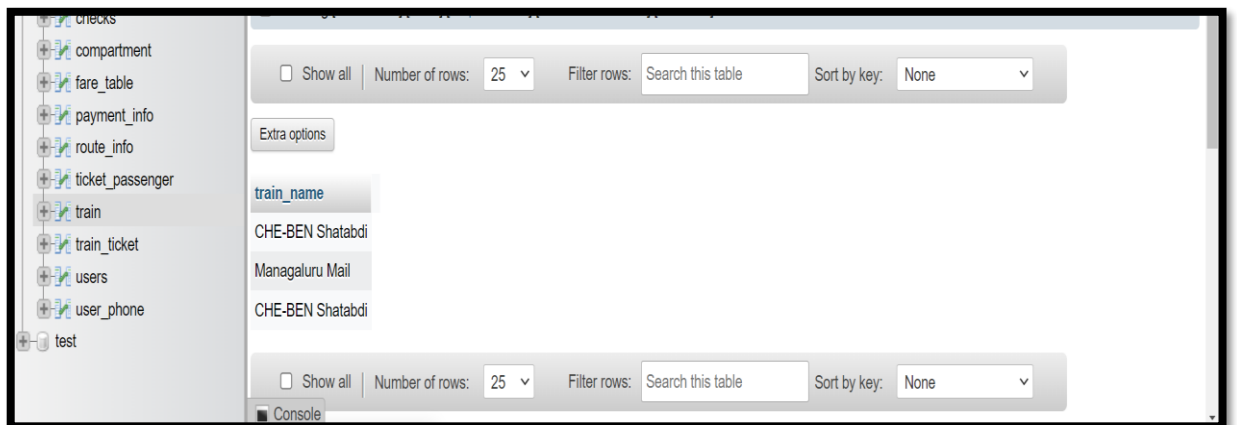
Extra options

	Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/> Edit Copy Delete	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

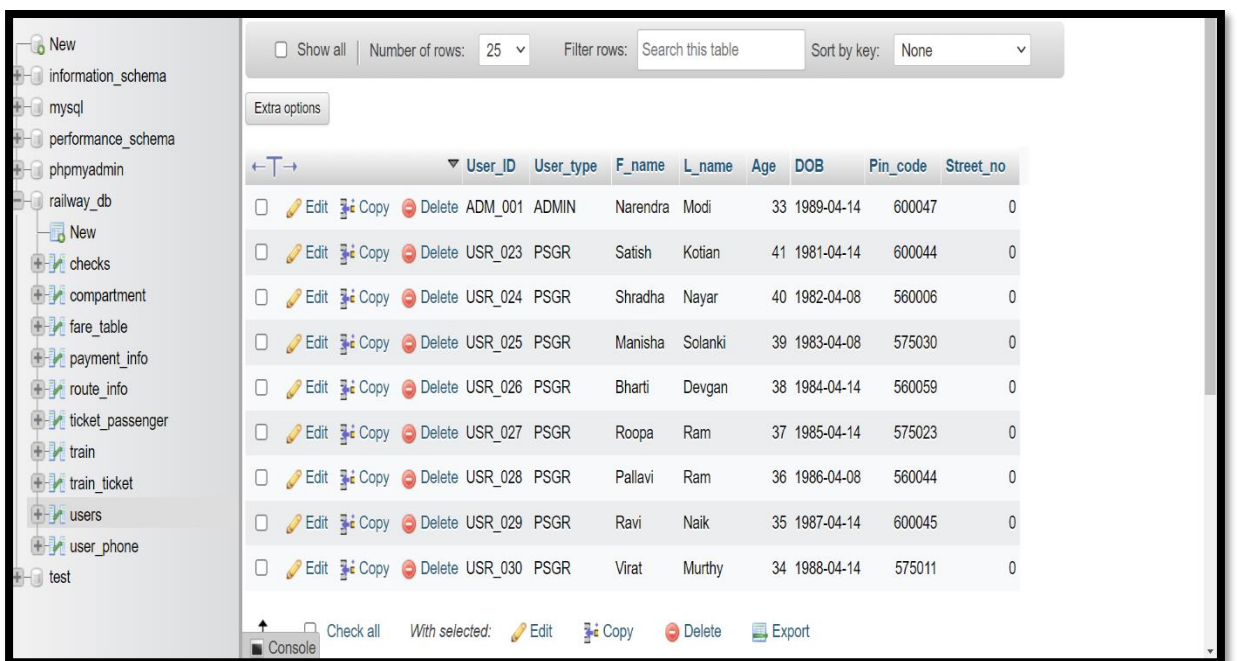
Check all | With selected: Edit Copy Delete Export

Query results operations

7)



8)



9)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	User_ID	User_type	F_name	L_name	Age	DOB	Pin_code	Street_no
<input type="checkbox"/> Edit Copy Delete	USR_003	PSGR	Sai Deepak	Reddy	26	1996-12-12	600001	14
<input type="checkbox"/> Edit Copy Delete	USR_007	PSGR	Smriti	Irani	23	1999-12-16	575014	4
<input type="checkbox"/> Edit Copy Delete	USR_010	PSGR	Samanta	Prabhu	54	1968-04-14	600042	8
<input type="checkbox"/> Edit Copy Delete	USR_016	PSGR	Subbu	Saravana	48	1974-04-14	600043	0
<input type="checkbox"/> Edit Copy Delete	USR_017	PSGR	Sheela	Dixit	47	1975-04-08	560048	0
<input type="checkbox"/> Edit Copy Delete	USR_021	PSGR	Suma	Sampat	43	1979-04-08	560012	0
<input type="checkbox"/> Edit Copy Delete	USR_022	PSGR	Srihari	Udupa	42	1980-04-14	560015	0
<input type="checkbox"/> Edit Copy Delete	USR_023	PSGR	Satish	Kotian	41	1981-04-14	600044	0
<input type="checkbox"/> Edit Copy Delete	USR_024	PSGR	Shradha	Nayar	40	1982-04-08	560006	0

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

10)

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

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

Extra options

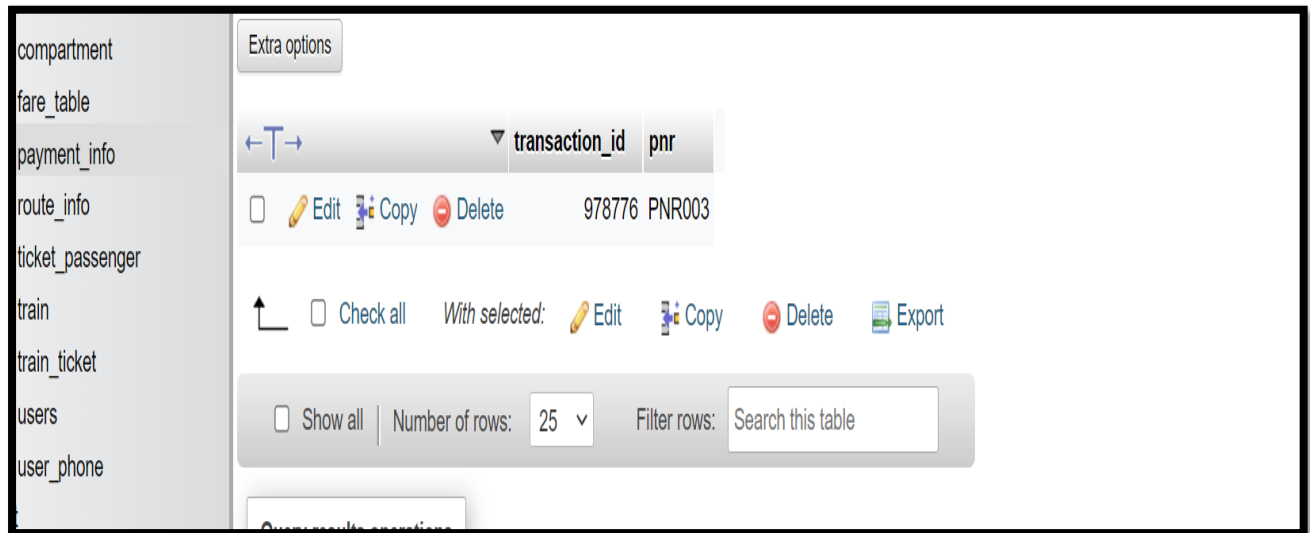
availability

6

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

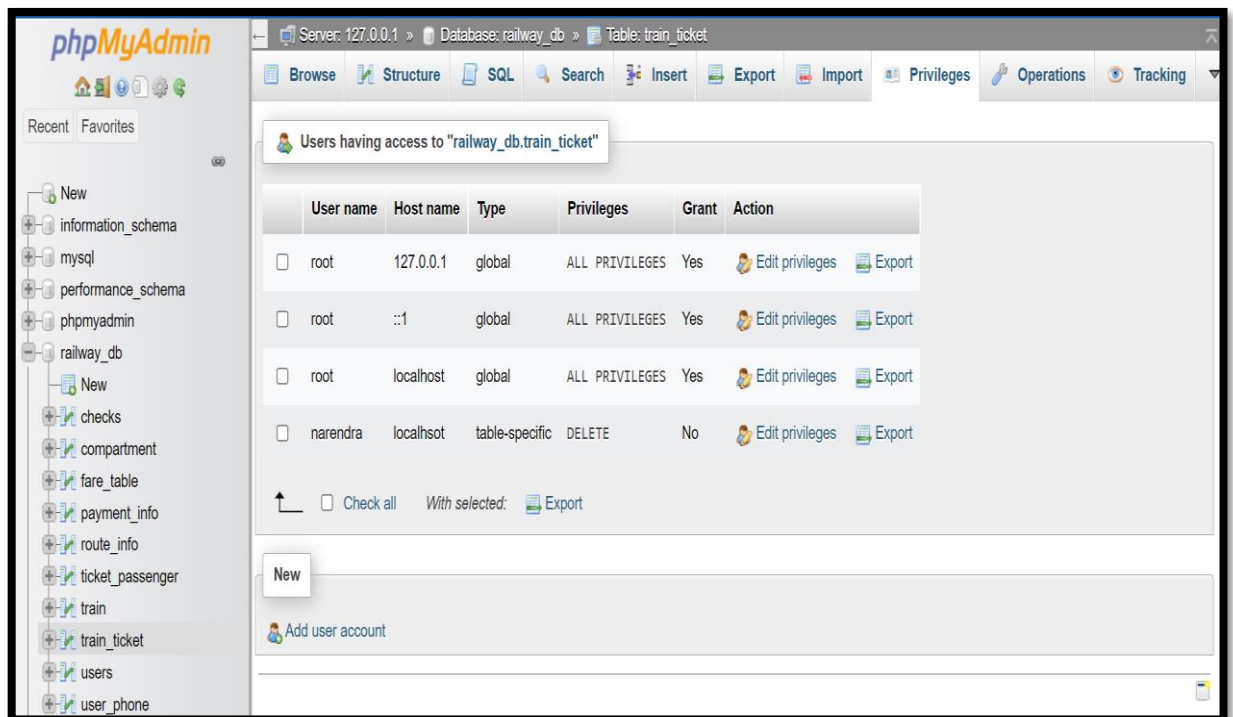
Query results operations

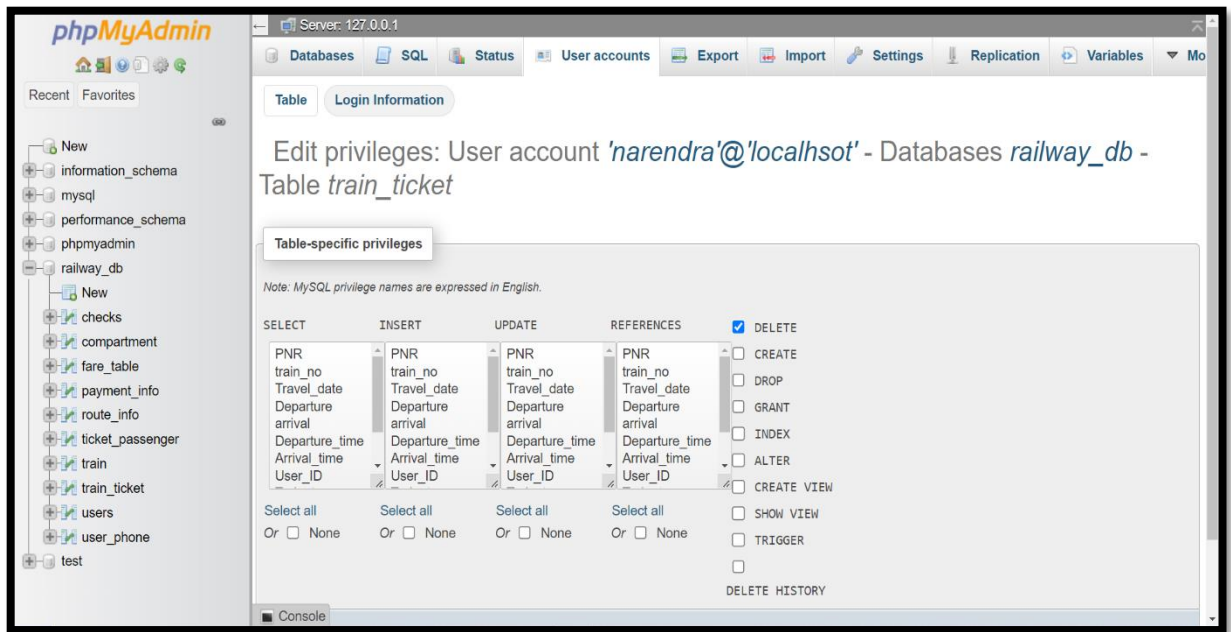
11)



TASK2 RESULTS:

1)i)User named 'Narendra' got Delete privileges on table 'train_ticket'.



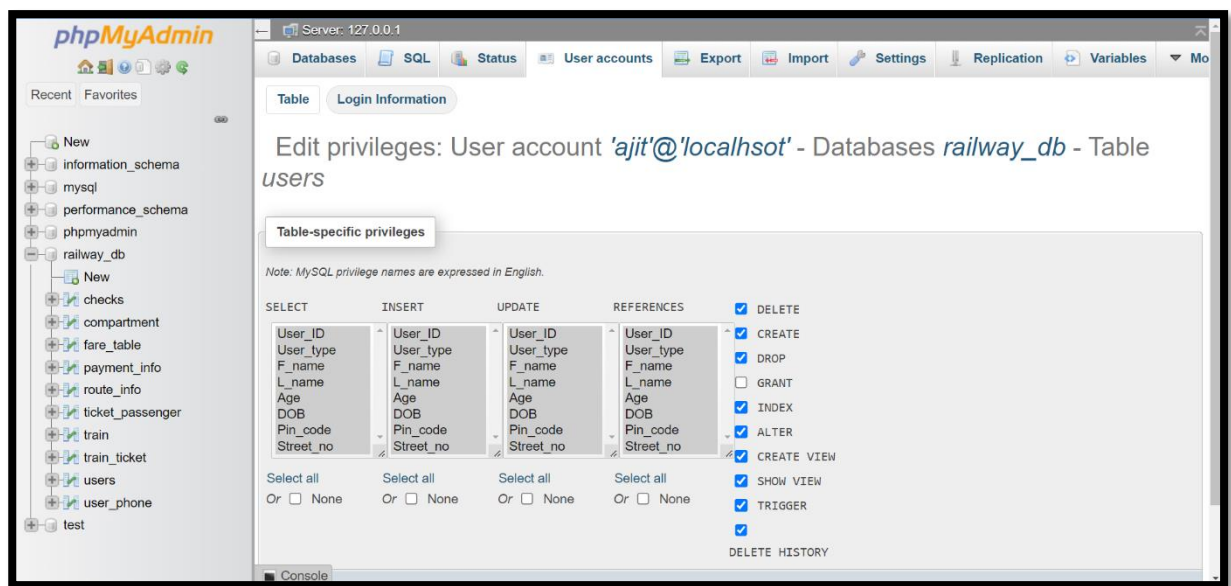


ii) User named 'Ajit' got ALL privileges on table 'users'.

Users having access to railway_db.users

	User name	Host name	Type	Privileges	Grant	Action
<input type="checkbox"/>	root	127.0.0.1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	:::1	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	root	localhost	global	ALL PRIVILEGES	Yes	Edit privileges Export
<input type="checkbox"/>	ajit	localhsot	table-specific	ALL PRIVILEGES	No	Edit privileges Export

☐ Check all
 With selected: Export



2) Before using REVOKE command:



After using REVOKE command:





























3) Initial table:

<div><div><div>←</div><div>T</div><div>→</div></div></div>				Train_no	Train_name	Train_type	Source	Destination	Availability
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	0	Train_name	Train_type	Source	Destination	Availability			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	25260	Chennai Mail	Mail	Mangaluru	Chennai	Yes			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	25261	Managaluru Mail	Mail	Chennai	Mangaluru	Yes			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No			
<div><div><div><div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Edit</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Copy</div></div></div><div><div><div><div></div></div></div></div><div><div><div><div></div></div></div></div><div><div><div>Delete</div></div></div></div>	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes			

After applying savepoints and updating the table:

Extra options

		Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	 Edit  Copy  Delete	0	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	 Edit  Copy  Delete	25260	some_train_name	Mail	Mangaluru	Chennai	Yes
<input type="checkbox"/>	 Edit  Copy  Delete	25261	some_train_name2	Mail	Chennai	Mangaluru	Yes
<input type="checkbox"/>	 Edit  Copy  Delete	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
<input type="checkbox"/>	 Edit  Copy  Delete	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
<input type="checkbox"/>	 Edit  Copy  Delete	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
<input type="checkbox"/>	 Edit  Copy  Delete	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

 ☐ Check all With selected:  Edit  Copy  Delete  Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Using rollback went back to savepoint s1:

Server: 127.0.0.1 » Database: railway_db » Table: train

Extra options

	Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	0	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	25260	Chennai mail	Mail	Mangaluru	Chennai	Yes
<input type="checkbox"/>	25261	Managaluru mail	Mail	Chennai	Mangaluru	Yes
<input type="checkbox"/>	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
<input type="checkbox"/>	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
<input type="checkbox"/>	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
<input type="checkbox"/>	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes

Query results operations

Console Copy to clipboard Export Display chart Create view

Using commit:

Server: 127.0.0.1 » Database: railway_db » Table: train

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

Extra options

	Train_no	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	0	Train_name	Train_type	Source	Destination	Availability
<input type="checkbox"/>	25260	Chennai mail	Mail	Mangaluru	Chennai	Yes
<input type="checkbox"/>	25261	Managaluru mail	Mail	Chennai	Mangaluru	Yes
<input type="checkbox"/>	58450	MAN-BEN Express	Fast	Mangaluru	Bengaluru	yes
<input type="checkbox"/>	58451	BEN-MAN Express	Fast	Bengaluru	Mangaluru	yes
<input type="checkbox"/>	62620	CHE-BEN Shatabdi	Superfast	Chennai	Bengaluru	No
<input type="checkbox"/>	62621	BEN-CHE Shatabdi	Superfast	Bengaluru	Chennai	yes
<input type="checkbox"/>	62622	Delhi Express	Superfast	Delhi	Bangalore	yes

Console Copy to clipboard Export Display chart Create view