

UE20CS301

Database Management System

Lab 4 – Task I Results

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Roll No. : 13

1. Insert Records

i) Using Insert

Server: 127.0.0.1 » Database: railway_system » Table: compartment_331

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#)

✓ Import has been successfully finished, 20 queries executed. (Compartment.csv)

✓ 1 row inserted. (Query took 0.0034 seconds.)

```
INSERT IGNORE INTO `compartment_331` VALUES ('62621', 'I Class', '16', '6', 'F01');
```

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

✓ 1 row inserted. (Query took 0.0047 seconds.)

```
INSERT IGNORE INTO `compartment_331` VALUES ('62621', 'II Class', '30', '4', 'S01');
```

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

✓ 1 row inserted. (Query took 0.0032 seconds.)

```
INSERT IGNORE INTO `compartment_331` VALUES ('62621', 'II Class', '30', '6', 'S02');
```

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

Compartment table after inserting -

Server: 127.0.0.1 » Database: railway_system » Table: compartment_331

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#) [Operations](#) [Tracking](#)

✓ Showing rows 0 - 19 (20 total, Query took 0.0008 seconds.)

```
SELECT * FROM `compartment_331`
```

☐ 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

+ Options

			Train_No	Type	Capacity	Availability	CompartmentNo	
<input type="checkbox"/>	Edit	Copy	Delete	25260	I Class	16	0	F01
<input type="checkbox"/>	Edit	Copy	Delete	25260	II Class	30	15	S01
<input type="checkbox"/>	Edit	Copy	Delete	25260	II Class	30	17	S02
<input type="checkbox"/>	Edit	Copy	Delete	25261	I Class	16	0	F01
<input type="checkbox"/>	Edit	Copy	Delete	25261	III Class	60	33	G01
<input type="checkbox"/>	Edit	Copy	Delete	25261	III Class	60	45	G02
<input type="checkbox"/>	Edit	Copy	Delete	25261	II Class	30	15	S01
<input type="checkbox"/>	Edit	Copy	Delete	58450	I Class	16	4	F01
<input type="checkbox"/>	Edit	Copy	Delete	58450	III Class	60	2	G01
<input type="checkbox"/>	Edit	Copy	Delete	58450	II Class	30	5	S01
<input type="checkbox"/>	Edit	Copy	Delete	58450	II Class	30	3	S02
<input type="checkbox"/>	Edit	Copy	Delete	58451	I Class	16	5	F01
<input type="checkbox"/>	Edit	Copy	Delete	58451	III Class	60	40	G01
<input type="checkbox"/>	Edit	Copy	Delete	62620	I Class	16	15	F01
<input type="checkbox"/>	Edit	Copy	Delete	62620	I Class	16	0	F02

ii) Using Load data command

```
✓ 13 rows inserted. (Query took 0.0068 seconds.)

LOAD DATA INFILE "Ticket.csv" INTO TABLE ticket_331 COLUMNS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"' ESCAPED BY '\\' LINES TERMINATED BY '\n' IGNORE 1 LINES;

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

Ticket Table after loading -

✓ Showing rows 0 - 12 (13 total, Query took 0.0015 seconds.)

SELECT * FROM `ticket_331`

☐ 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

+ Options

			UserID	PNR	TravelDate	DepartureTime	ArrivalTime	Departure	Arrival	TrainNo	TrainType	CompartmentType	CompartmentNo
<input type="checkbox"/>	Edit	Copy	Delete	ADM_001	PNR001	2022-08-07	16:00:00	Bengaluru	Chennai	62621	Superfast	I Class	F01
<input type="checkbox"/>	Edit	Copy	Delete	ADM_001	PNR002	2022-08-14	08:00:00	Chennai	Bengaluru	62620	Superfast	I Class	F02
<input type="checkbox"/>	Edit	Copy	Delete	ADM_003	PNR003	2022-08-01	18:00:00	Chennai	Mangaluru	25261	Mail	III Class	G02
<input type="checkbox"/>	Edit	Copy	Delete	ADM_003	PNR004	2022-08-15	19:15:00	Mangaluru	Chennai	25260	Mail	II Class	S02
<input type="checkbox"/>	Edit	Copy	Delete	USR_002	PNR005	2022-08-03	06:00:00	Bengaluru	Mangaluru	58451	Fast	III Class	G01
<input type="checkbox"/>	Edit	Copy	Delete	USR_002	PNR006	2023-08-04	08:00:00	Mangaluru	Bengaluru	58450	Fast	II Class	S01
<input type="checkbox"/>	Edit	Copy	Delete	ADM_002	PNR007	2022-08-07	18:00:00	Bangarpet	Chennai	62621	Superfast	II Class	S01
<input type="checkbox"/>	Edit	Copy	Delete	ADM_002	PNR008	2022-08-02	08:00:00	Chennai	Bangarpet	62620	Superfast	I Class	F01
<input type="checkbox"/>	Edit	Copy	Delete	USR_007	PNR010	2022-08-19	19:15:00	Mangaluru	Kannur	25260	Mail	II Class	S01
<input type="checkbox"/>	Edit	Copy	Delete	USR_008	PNR011	2022-08-22	19:00:00	Katapadi	Chennai	62621	Superfast	I Class	F01
<input type="checkbox"/>	Edit	Copy	Delete	USR_009	PNR012	2022-08-11	11:00:00	Subramanya	Mangaluru	58451	Fast	I Class	F01
<input type="checkbox"/>	Edit	Copy	Delete	USR_010	PNR014	2022-08-17	23:15:00	Kannur	Palakkad	25260	Mail	II Class	S01
<input type="checkbox"/>	Edit	Copy	Delete	USR_012	PNR015	2022-08-05	04:30:00	Palakkad	Chennai	25260	Mail	II Class	S01

2. Calculate and update age attribute in User Table

```
MariaDB [railway_system]> update user_331 set age = TIMESTAMPDIFF(YEAR, DOB, curdate());
Query OK, 33 rows affected (0.010 sec)
Rows matched: 33  Changed: 33  Warnings: 0

MariaDB [railway_system]> select * from user_331;
```

UserID	Age	Fname	LName	DOB	U_Type	Pincode	StreetNo
ADM_001	33	Narendra	Modi	1989-04-14	ADMIN	600047	Old Jail Road
ADM_002	32	Droupadi	Murmu	1990-04-14	ADMIN	640012	High Street
ADM_003	31	Manmohan	Singh	1991-04-08	ADMIN	575003	Pumpwell Road
USR_001	51	Ajit	Ullal	1971-01-01	PSGR	560001	10 Janpath
USR_002	21	Muhammed	Ali	2000-10-09	PSGR	560003	10 Downing
USR_003	25	Sai Deepak	Reddy	1996-12-12	PSGR	600001	14 Kailsh Marg
USR_004	25	Rudra	Agarwal	1996-12-13	PSGR	600042	5 Lohia Garden
USR_005	24	Rahul	Khanna	1997-12-14	PSGR	600067	1 Pink Street
USR_006	23	Nirmala	Seturaman	1998-12-15	PSGR	560105	3 Blue Avenue
USR_007	22	Smriti	Irani	1999-12-16	PSGR	575014	4 Banyan Avenie
USR_008	56	Ajit	Sethi	1966-04-14	PSGR	575001	6 Poes Garden
USR_009	55	Arjun	Allu	1967-04-08	PSGR	575020	7 Dhamaka street
USR_010	54	Samanta	Prabhu	1968-04-14	PSGR	600042	8 Clone Colony
USR_011	53	Kiran	Bedi	1969-04-14	PSGR	560003	56 Brigade Road
USR_012	52	Rahul	Gandhi	1970-04-08	PSGR	475001	Mirza road
USR_013	51	Rashkit	Shetty	1971-04-14	PSGR	560009	JC Road
USR_014	50	Rishi	Sunak	1972-04-14	PSGR	600034	Anna Sali
USR_015	49	Vedavalli	Srinath	1973-04-14	PSGR	560054	Church Street Bangalore
USR_016	48	Subbu	Saravana	1974-04-14	PSGR	600043	American Street
USR_017	47	Sheela	Dixit	1975-04-08	PSGR	560048	Kasturba Road
USR_018	46	Margaret	Alva	1976-04-14	PSGR	560008	New BEL Road

3. Routes with distance btw 70 and 150

```
MariaDB [railway_system]> select * from route_331 where distance>=70 and distance<=150;
+-----+-----+-----+-----+-----+-----+
| Train_No | FromNo | ToNo | FromName | ToName | Distance |
+-----+-----+-----+-----+-----+-----+
| 25260 | 1 | 2 | Mangaluru | Kannur | 131 |
| 25261 | 1 | 2 | Chennai | Palakkad | 130 |
| 58451 | 1 | 2 | Bengaluru | Mysore | 139 |
| 62620 | 1 | 2 | Chennai | Sholingur | 90 |
| 62621 | 1 | 2 | Bengaluru | Bangarpet | 71 |
| 62620 | 1 | 3 | Chennai | Katpadi | 129 |
| 25261 | 3 | 4 | Kannur | Mangaluru | 131 |
| 58450 | 3 | 4 | Mysore | Bengaluru | 139 |
| 62621 | 3 | 5 | Katpadi | Chennai | 130 |
| 25260 | 4 | 4 | Palakkad | Chennai | 130 |
| 62620 | 4 | 5 | Bangarpet | Bengaluru | 71 |
| 62621 | 4 | 5 | Sholingur | Chennai | 90 |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.005 sec)
```

4. Chennai-Sholingur Route

```
MariaDB [railway_system]> select * from route_331 where FromName='Chennai' and toName='Sholingur';
+-----+-----+-----+-----+-----+-----+
| Train_No | FromNo | ToNo | FromName | ToName | Distance |
+-----+-----+-----+-----+-----+-----+
| 62620 | 1 | 2 | Chennai | Sholingur | 90 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

6. Chennai – Bengaluru

```
MariaDB [railway_system]> select T_Name from train_331 where Train_no in (select Train_No from route_331 where FromName='Bengaluru' and toName='Chennai');
+-----+
| T_Name |
+-----+
| BEN-CHE Shatabdi |
+-----+
1 row in set (0.001 sec)

MariaDB [railway_system]> _
```

7. Chennai after 8:00

```
MariaDB [railway_system]> select train_No, T_Name from train_331 where Train_No in(select TrainNo from ticket_331 where departureTime>'8:00' and Departure='Chennai');
+-----+-----+
| train_No | T_Name |
+-----+-----+
| 25261 | Managaluru Mail |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [railway_system]> _
```

8. Users born between 1980 and 1990

```
MariaDB [railway_system]> select * from user_331 where DOB>='1980-01-01' and DOB<='1990-12-31';
```

UserID	Age	Fname	LName	DOB	U_Type	Pincode	StreetNo
ADM_001	33	Narendra	Modi	1989-04-14	ADMIN	600047	Old Jail Road
ADM_002	32	Droupadi	Murmu	1990-04-14	ADMIN	640012	High Street
USR_022	42	Srihari	Udupa	1980-04-14	PSGR	560015	Suranjan Das Road
USR_023	41	Satish	Kotian	1981-04-14	PSGR	600044	T Nagar
USR_024	40	Shradha	Nayar	1982-04-08	PSGR	560006	M G Road Bangalore
USR_025	39	Manisha	Solanki	1983-04-08	PSGR	575030	M G Road
USR_026	38	Bharti	Devgan	1984-04-14	PSGR	560059	NAL Wind Tunnel Road
USR_027	37	Roopa	Ram	1985-04-14	PSGR	575023	Bunder Road
USR_028	36	Pallavi	Ram	1986-04-08	PSGR	560044	Lavelle Road
USR_029	35	Ravi	Naik	1987-04-14	PSGR	600045	Thiru V ka Salai
USR_030	34	Virat	Murthy	1988-04-14	PSGR	575011	Bejai New Road

```
11 rows in set (0.001 sec)
```

9. Users with names starting with S

```
MariaDB [railway_system]> select * from user_331 where Fname LIKE 'S%';
```

UserID	Age	Fname	LName	DOB	U_Type	Pincode	StreetNo
USR_003	25	Sai Deepak	Reddy	1996-12-12	PSGR	600001	14 Kailsh Marg
USR_007	22	Smriti	Irani	1999-12-16	PSGR	575014	4 Banyan Avenie
USR_010	54	Samanta	Prabhu	1968-04-14	PSGR	600042	8 Clone Colony
USR_016	48	Subbu	Saravana	1974-04-14	PSGR	600043	American Street
USR_017	47	Sheela	Dixit	1975-04-08	PSGR	560048	Kasturba Road
USR_021	43	Suma	Sampat	1979-04-08	PSGR	560012	Old Airport Road Bangalore
USR_022	42	Srihari	Udupa	1980-04-14	PSGR	560015	Suranjan Das Road
USR_023	41	Satish	Kotian	1981-04-14	PSGR	600044	T Nagar
USR_024	40	Shradha	Nayar	1982-04-08	PSGR	560006	M G Road Bangalore

```
9 rows in set (0.001 sec)
```

10. Availability

```
MariaDB [railway_system]> select * from compartment_331 where type='I Class' and Train_No='62621';
```

Train_No	Type	Capacity	Availability	CompartmentNo
62621	I Class	16	6	F01

```
1 row in set (0.001 sec)
```

11. Union Bank

```
MariaDB [railway_system]> select PNR, TransacID from payment_info_331 where Bank='UNION BANK';
```

PNR	TransacID
PNR012	243535
PNR015	758900
PNR010	867546
PNR003	978776

```
4 rows in set (0.001 sec)
```

```
MariaDB [railway_system]> _
```