# **DATABASE MANAGEMENT SYSTEMS LAB**

## Week 5

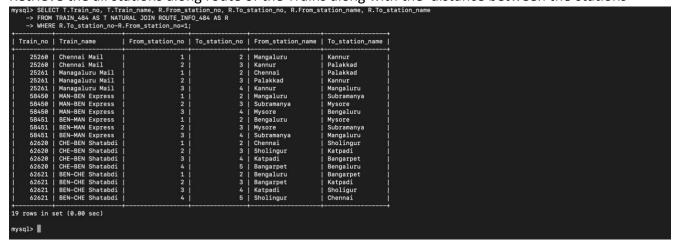
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## RAILWAY RESERVATION

1. Update price of the ticket.

#### **NATURAL JOIN**

2. Retrieve the all stations along route of the Trains along with the distance between the stations



# **INNER JOIN (equijoin)**

3. Retrieve the Train no of train which is leaving Bengaluru and arriving at Chennai with compartments availability greater than 10

4. Retrieve first and last name of users who have booked a ticket with price greater than 500

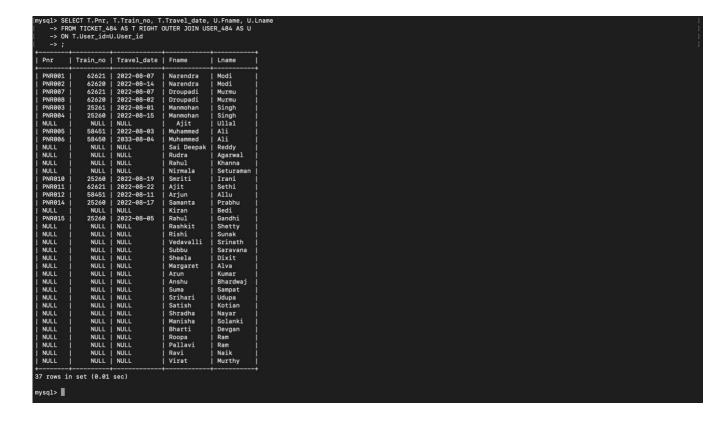
## **LEFT OUTER JOIN**

5. Retrieve the first name, last name, DOB and ticket PNR if they've bought it for all users.

6. Retrieve the first name, last name of the Users who have not bought a ticket.

# **RIGHT OUTER JOIN**

7. Retrieve the ticket PNR, Train number, travel date and along with all users first name and last name.



8. Retrieve the user id if they've travelled in a train along with train id and name of all trains.

# **NESTED QUERIES**

9. Retrieve the train no and name of trains whose destination is not Mangalore and distance is not less than 100km and departure time is not 8:30:00 PM.

10. Retrieve the User ID who has spent more ticket price than the average ticket price.