DATABASE MANAGEMENT SYSTEMS LAB

Week 7

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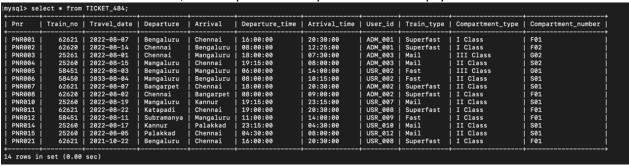
Assignment:

1. Find the list of passengers (user_id, user_type First name and last name) who have traveled from Bengaluru to Chennai during the month of Oct 2021 and Aug 2022

```
[mysql> SELECT T.User_id, U.User_type, U.Fname, U.Lname
     -> FROM TICKET_484 AS T NATURAL JOIN USER_484 AS U
     -> WHERE T.Departure='Bengaluru' AND T.Arrival='Chennai'
     -> AND MONTH(T.Travel_date)=10 AND YEAR(T.Travel_date)=2021
     -> UNION
     -> SELECT T.User_id, U.User_type, U.Fname, U.Lname
-> FROM TICKET_484 AS T NATURAL JOIN USER_484 AS U
     -> WHERE T.Departure='Bengaluru' AND T.Arrival='Chennai'
     -> AND MONTH(T.Travel_date)=8 AND YEAR(T.Travel_date)=2022
| User_id |
             User_type | Fname
                                        Lname
  USR_008
              PSGR
                           Aiit
                                         Sethi
  ADM_001
              ADMIN
                           Narendra
                                        Modi
2 rows in set (0.01 sec)
mysql>
```

2. Find the list of passengers (user_id, user_type First name and last name) who have traveled from Bengaluru to Chennai during the month of Oct 2021 and also during Aug 2022

In the database we made, USR_008 is the only passenger to have travelled in both Aug 2022 and Oct 2021. However, his journeys were from Katapadi to Chennai in Aug 2022 and from Bengaluru to Chennai in Oct 2022. Hence, the output for this question is an Empty Set.



3. Find the list of passengers (user_id, user_type First name and last name) who have traveled from Bengaluru to Chennai during the month of Aug 2022 and not in Oct 2021

4. Find the list of passengers (user_id, user_type, First name and last name) who have traveled from Bengaluru to Chennai and returned to Bengaluru within a week.

5. Find the list of passengers (user_id, user_type, First name and last name) who have traveled from Bengaluru to Chennai and did not return to Bengaluru (in other words, only one way travel from Bengaluru to Chennai)