Practical - 6

≡ Ву	Aiman Siddiqua
■ Roll No.	2K18/MC/008

 List full details of all flights in ascending order of RouteNo within descending order of Deptime.

Count the number of flights on the Itineraries of TicketNo's TN600 to TN700 inclusive.

• List TicketNo's with itineraries of 2 or more flights

```
mysql> SELECT TicketNo
    -> FROM Itinerary
    -> GROUP BY TicketNo
    -> HAVING COUNT(FlightNo)>=2;

+-----+
| TicketNo |
+-----+
| TN607 |
| TN719 |
+------+
2 rows in set (0.00 sec)
```

• List Routes (RouteNo) with less than 4 timetabled flights.

```
mysql> SELECT RouteNo
    -> FROM Flight
    -> GROUP BY RouteNo
    -> HAVING COUNT(FlightNo)<4;

+-----+
| RouteNo |
+-----+
| 3 |
| 4 |
| 6 |
| 7 |
| 8 |
+-----+
5 rows in set (0.00 sec)</pre>
```

• List the most popular FareType based on currently recorded Itineraries. Your query should list each FareType and its number of occurrences.

• Find the seating capacity of the aircraft allocated to flight BD80.

```
mysql> SELECT NoOfSeats
   -> FROM Flight F, Aircraft A
   -> WHERE FlightNo = 'BD80' AND F.AircraftType = A.AircraftType;
+-----+
| NoOfSeats |
+-----+
| 175 |
+-----+
1 row in set (0.17 sec)
```

• List the description and seating capacity of the aircraft allocated to the flights on TicketNo TN607.

• A passenger requests details of alternative flights departing earlier than his/her currently booked Flight (for Eg. BD80 15:20:00 Delhi->Mumbai).

To fly from Delhi to Goa passengers must undertake their journey in two stages.
 List the FlightNo's, Airport's, Departure and Arrival times for inter-connecting flights from Delhi to Goa.

• List the full name of the airport from which flight BD80 departs.

 List the full description and seating capacity of the aircraft allocated to flight BD80.

• List the description and seating capacity of all the aircraft allocated to flights on the Itineraries of Tickets issue to 'Aiman Siddiqua'.

```
mysql> SELECT ADescription, NoOfSeats
   -> FROM Aircraft A, Passenger P, Flight F, Ticket T, Itinerary I
   -> WHERE Name = 'Aiman Siddiqua'
```

• List the FareTypes and Descriptions of the Fares available on RouteNo 4.

• Calculate the total ticket price for Ticket number TN607 using Price from the Tariff table.

 List the full name of the airport from which flight BD80 departs and the full name of the airport at which flight BD80 arrives. Hint: each flight record refers to two Airport records therefore the Airport table should appear twice in the FROM clause. Use aliases to differentiate the first Airport reference from the second.