**SET OPERATIONS AND JOINS**

1. **Retrieve ticket\_no of customers who are either Frequent Flyers or Non Frequent Flyers eliminating duplicates.**

mysql> select ticket\_no from Frequent\_flyer

-> UNION

-> select ticket\_no from Non\_Frequent\_flyer;

+-----------+

| ticket\_no |

+-----------+

| abc123 |

| abc456 |

| pqr123 |

| xyz123 |

| xyz456 |

+-----------+

5 rows in set (0.03 sec)

1. **Retrieve ticket\_no of customers who are either Frequent Flyers or Non Frequent Flyers without eliminating duplicates.**

mysql> select ticket\_no from Frequent\_flyer

-> UNION ALL

-> select ticket\_no from Non\_Frequent\_flyer;

+-----------+

| ticket\_no |

+-----------+

| abc123 |

| abc456 |

| pqr123 |

| xyz123 |

| xyz456 |

| abc123 |

| abc456 |

| pqr123 |

| xyz123 |

| xyz456 |

+-----------+

10 rows in set (0.00 sec)

1. **List all Customers who have booked an Airline.**

mysql> SELECT Airline.name,Customer.fname,Customer.lname FROM

->Customer JOIN Airline on Customer.reg\_no2=Airline.registration\_no;

+------------------+----------+--------+

| name | fname | lname |

+------------------+----------+--------+

| Air India | Virat | Kohli |

| Turkish Airlines | Ravi | Ashwin |

| Cathay Pacific | Mahendra | Dhoni |

+------------------+----------+--------+

3 rows in set (0.00 sec)

1. **List all Customers whether they booked an Airline or not.**

mysql> SELECT Airline.name,Customer1.fname,Customer1.lname FROM

Customer1 LEFT OUTER JOIN Airline on Customer1.reg\_no2=Airline.registration\_no;

+------------------+----------+--------+

| name | fname | lname |

+------------------+----------+--------+

| Air India | Virat | Kohli |

| Turkish Airlines | Ravi | Ashwin |

| NULL | Suresh | Raina |

| Cathay Pacific | Mahendra | Dhoni |

| NULL | Shikhar | Dhawan |

+------------------+----------+--------+

5 rows in set (0.00 sec)

1. **List all Airlines whether they are booked by a customer or not.**

mysql> SELECT Airline.name,Customer.fname,Customer.lname FROM

-> Customer RIGHT OUTER JOIN Airline on Customer.reg\_no2=Airline.registration\_no;

+------------------+----------+--------+

| name | fname | lname |

+------------------+----------+--------+

| Emirates | NULL | NULL |

| British Airways | NULL | NULL |

| Turkish Airlines | Ravi | Ashwin |

| Cathay Pacific | Mahendra | Dhoni |

| Air India | Virat | Kohli |

+------------------+----------+--------+

5 rows in set (0.00 sec)