INNER JOIN:

SELECT DISTINCT s.seat\_no , s.fare\_conditions, a.model ->> 'en'AS model,

flight\_no, departure\_airport,arrival\_airport,status

FROM seats s

INNER JOIN aircrafts a

ON s.aircraft\_code = a.aircraft\_code

INNER JOIN flights f

ON a.aircraft\_code =f.aircraft\_code

WHERE status = 'Cancelled' AND model ->> 'en' LIKE 'Cessna%';

OUTER JOIN

SELECT t.passenger\_name, t.ticket\_no, tf.fare\_conditions,

DATE\_PART('day',book\_date) AS day, DATE\_PART('month',book\_date) AS month

FROM tickets t

LEFT JOIN bookings b

ON t.book\_ref = b.book\_ref

LEFT JOIN ticket\_flights tf

ON t.ticket\_no = tf.ticket\_no

WHERE fare\_conditions = 'Business'

ORDER BY month, day;

To identify ,how many passenger has using business class : USE DISTINCT

SELECT DISTINCT t.passenger\_name, t.ticket\_no, tf.fare\_conditions,

DATE\_PART('day',book\_date) AS day, DATE\_PART('month',book\_date) AS month

FROM tickets t

LEFT JOIN bookings b

ON t.book\_ref = b.book\_ref

LEFT OUTER JOIN ticket\_flights tf

ON t.ticket\_no = tf.ticket\_no

WHERE fare\_conditions = 'Business'

ORDER BY month, day;

LEFT JOINS

Right Outer Join

SELECT t.passenger\_name, t.ticket\_no, tf.fare\_conditions,

DATE\_PART('day',book\_date) AS day, DATE\_PART('month',book\_date) AS month

FROM bookings b

RIGHT JOIN tickets t

ON b.book\_ref = t.book\_ref

RIGHT JOIN ticket\_flights tf

ON tf.ticket\_no =t.ticket\_no

ORDER BY month, day;

Full Outer Join

Syntax

SELECT columns

FROM table 1

Full outer join (Full Join) table 2

On table 1.column = table2.column

SELECT \* FROM tickets t

FULL JOIN boarding\_passes b

ON t.ticket\_no = b.ticket\_no

Cross join

Syntax

Select \*

FROM table 1

Cross Join table2;

Ex:-

Select \* from aircrafts

Cross join airports;