**Output**

**1) The list of all airlines for a given airport.**

SELECT al\_name FROM Airport

NATURAL JOIN Airline

NATURAL JOIN Airline\_Airport\_Relationship

WHERE ap\_name = 'Los Angeles International Airport'

**2) The list of all flights for a given airline. You must be able to sort this list by starting location, destination, longest flight or shortest flight.**

SELECT \* FROM Flight

NATURAL JOIN Plane\_Flight\_History

NATURAL JOIN Plane

NATURAL JOIN Airline

WHERE al\_name = 'Korean Air'

ORDER BY ap\_name\_fliesinto

ORDER BY ap\_name\_fliesfrom

ORDER BY length ASC

ORDER BY length DESC

**3) Flights that charge for extras (water, etc.)**

SELECT DISTINCT flightID, amenity\_type FROM Flight

NATURAL JOIN Amenities

**4) The crew roster for each flight for each airline**

SELECT flightID, al\_name, fs\_job, staff\_firstName, staff\_lastName FROM Flight

NATURAL JOIN Airline

NATURAL JOIN Flight\_Crew

NATURAL JOIN Flight\_Staff

NATURAL JOIN Staff

**5) The trips that are available if you do make one stop over**

SELECT \* FROM Stopovers

SELECT \* FROM Flight

NATURAL JOIN Stopovers

**6) Management reports of mifly information, including arriving flights per city, departing flights per city, list of airlines in each service category, crews that fly multiple flights in a single day.**

SELECT area\_name, flightID

FROM Flight

INNER JOIN Airport

ON Flight.ap\_name\_fliesinto = Airport.ap\_name

SELECT area\_name, flightID

FROM Flight

INNER JOIN Airport

ON Flight.ap\_name\_fliesfrom = Airport.ap\_name

SELECT flightCrewID, weekday, COUNT(\*) AS Times from Flight

GROUP BY weekday

HAVING COUNT(weekday) > 1

SELECT al\_reach, al\_name

FROM Airline

ORDER BY al\_reach

**7) A list of all incident reports by flight**

SELECT \* FROM Incident

**Each team member must design his/her own query that will produce something meaningful for the customer**

**Nancy:**

Finds an airport for a given area

SELECT ap\_name from Airport

WHERE area\_name = 'Los Angeles'

**Minji:**

Lists a history of all flights (and relevant info), from earliest to latest date

SELECT flightID, flight\_date, ap\_name\_fliesfrom, ap\_name\_fliesinto, al\_name

FROM Plane\_Flight\_History

NATURAL JOIN Flight

ORDER BY flight\_date

**Ted:**

Snack customer can look forward to

SELECT amenity\_type AS “Food”, price AS “Discount Price” FROM AIRLINE

NATURAL JOIN FLIGHT

NATURAL JOIN AMENITIES

ORDER BY amenity\_type