

SQL Assignment 2

(12 Queries): I have deleted three overly difficult queries (4,7,8)

```
-- #1 Display flight number, origination and departure for flights
-- that originate from an airport that does not have a hub airline.
```

```
FL_FLIGHT_NO flight.fl_orig flight.fl_dest
-----
```

```
-- #2 list the flights and the number of tickets sold that have an origin or
destination
-- in California
```

```
TIC_FLIGHT_NO          Number of Tickets
-----
```

```
-- #3 Display flight number, date and equipment type for all equipment that is not
-- manufactured by BOEING. Order by departure date and flight number.
```

```
DEP_FLIGHT_NO      DEP_DEP_DATE      EQ_EQUIP_TYPE
-----
```

```
-- # 5 Display the names of passengers that do not have reservations.
-- Hint a set Operation may be useful here.
```

```
PAS_NAME
-----
```

```
-- #6 Display pilot name, number of flights as "Number of Flights", total pay as
"Compensation"
-- for flights piloted in April of 2017.
```

Hint: you will need to use between '01-April-2017' and '30-April-2017'

```
PIL_PILOTNAME          Number of Flights
Compensation
-----
```

```
-- #9 Display departing airport location as "Departs From", Arriving airport
location as
-- "Arrives at", maximum fair as "Maximum Fair" for flights that have maximum
-- fare for flights between these two airports.
```

AIR_LOCATION	AIR_LOCATION	Maximum Fare
-----	-----	-----

```
-- #10 Display flight number, departing/destination airport, Departure time as
-- "Departure Time", Arrival time as "Arrival Time" for flights not departing on
April 18, 2017
-- ORDER BY FL_FLIGHT_NO.
```

FL_FLIGHT_NO	FL_ORIG	FL_DEST	Departure Time	Arrival Time
-----	-----	-----	-----	-----

```
-- #11 List flight number and number of passengers as "Number of Passengers" for
flights
-- that have more than 5 passengers.
```

TIC_FLIGHT_NO	Number of Passengers
-----	-----

```
-- #12 list the equipment type and max distance possible on a full tank of
fuel. (Hint: eq_fuel_capacity*eq_miles_per_gal= Maximum Distance Flown)
```

EQ_EQUIP_T	Maximum Distance Flown
-----	-----

```
-- #13 List pilot names for pilots who have no scheduled departures in April 2017.
Hint: you will need to use between '01-April-2017' and '30-April-2017'
```

PIL_PILOTNAME

```
-- #14 list all the passengers with reservation along with the name of the person
that made
-- the reservation
```

Passenger	Person Making Reservation
-----	-----

```
-- #15 Select flight number, origination and destination for all reservations booked  
by Ole Olson, Order results by flight number.
```

```
FL_FLIGHT_NO FL_ORIG FL_DEST
```

```
-----
```

Extra Credit Due (5 Queries) : I have deleted ten overly difficult queries

```
-- #3 list the pilots that are paid above the average for their state.
-- Include in your list the state average
```

PIL_PILOTNAME	PIL_STATE	PIL_FLIGHT_PAY	Average State Pay
-----	-----	-----	-----

```
-- #4 List the flights departing number and equipment number from flights departing from
-- the airports with the highest and lowest elevation.
```

DEP_FLIGHT_NO	DEP_EQUIP_NO
-----	-----

```
-- 6 List passenger itineraries containing only one flight.
```

TIC_ITINERARY_NO	TIC_FLIGHT_NO	TIC_FLIGHT_DATE	TIC_PAS_NAME	PAS_ITINERARY_NO
PAS_FARE	PAS_CONFIRM_NO			
-----	-----	-----	-----	-----
-----	-----			

```
-- 9 Produce a unique list of pilot name as "Pilots" of pilots who piloted more than one
--departure. Order by pilot name. Hint this will involving as subquery joining a table
--on itself.
```

Pilots

```
-- #15 Display flight number, origin, destination, fl_orig_time as
--"Departure Time", fl_dest_time as "Arrival Time". Format times in
Military time (24 hour format) with minutes. Order results by flight number.
Hint the format should be in 'hh24:mi'format.
```

FL_FLIGHT_NO	FL_ORIG	FL_DEST	Departure Time	Arrival Time
-----	-----	-----	-----	-----