



# JET BLUE RESERVATION SYSTEM

Date: 11/18/2015

Alexandru Gutu  
3456

1. Identify passengers in flight 1234 to Hawaii on November 2, 2015. Display the passenger name. Order the output by passenger last name. Use a nested select to answer this question.

```
SELECT CUSTOMER_FIRST AS "FIRST NAME", CUSTOMER_LAST AS "LAST NAME"
FROM CUSTOMERS
WHERE CUSTOMER_ID IN (
    SELECT CUSTOMER_ID
    FROM RESERVATIONS
    WHERE DEPARTURE_DATE = TO_DATE('11/10/2015 12:00', 'MM/DD/YYYY HH24:MI'))
ORDER BY CUSTOMER_LAST DESC
```

FIRST NAME	LAST NAME
John	Paige
Alexandru	Gutu
Samantha	Dengate

2. Identify passengers in flight 1234 to Hawaii on November 2, 2015. Display the passenger name, seat assignment and ticket price. Order the output by seat number.

```
SELECT CUSTOMER_FIRST AS "FIRST NAME", CUSTOMER_LAST AS "LAST NAME", SEAT_NUMBER AS "SEAT NUMBER",
SEAT_PRICE + FLIGHT_PRICE AS "TOTAL PRICE"
FROM CUSTOMERS, RESERVATIONS, SEATS, FLIGHTS
WHERE
    FLIGHTS.DEPARTURE_DATE = TO_DATE('11/10/2015 12:00', 'MM/DD/YYYY HH24:MI') AND
    RESERVATIONS.DEPARTURE_DATE = FLIGHTS.DEPARTURE_DATE AND
    RESERVATIONS.SEAT_ID = SEATS.SEAT_ID AND
    CUSTOMERS.CUSTOMER_ID = RESERVATIONS.CUSTOMER_ID
ORDER BY SEAT_NUMBER DESC
```

FIRST NAME	LAST NAME	SEAT NUMBER	TOTAL PRICE
Samantha	Dengate	1d	429
John	Paige	1b	429
Alexandru	Gutu	1a	429

3. Identify the flight crew that will be passing through LGA today. Display the names of the flight crew and their title. Order the output of staff last name.

```
SELECT STAFF_FIRST AS "First Name", STAFF_LAST AS "Last Name", STAFF_TITLE as "Position"
FROM STAFF
WHERE STAFF_ID IN
(
    SELECT STAFF_ID
    FROM FLIGHT_STAFF, FLIGHTS
    WHERE FLIGHTS.ARRIVAL_AIRPORT = 'IAH' AND
    FLIGHTS.ARRIVAL_DATE BETWEEN '11/23/2015' AND '11/24/2015' AND
    FLIGHTS.AIRPLANE_TAG = FLIGHT_STAFF.AIRPLANE_TAG AND
    FLIGHTS.DEPARTURE_DATE = FLIGHT_STAFF.DEPARTURE_DATE
)
ORDER BY STAFF_LAST
```

First Name	Last Name	Position
Fredrick	Murry	Pilot
Vittore	Huckabee	Flight Attendant
Ximen	Yow	Co-Pilot
Milburn	Urena	Flight Attendant
Melvyn	Dempsey	Flight Attendant

4. Identify airports with the most activity this week. Display two columns. The first column is the long airport name. The second column is the number of flights. Display one row for each airport.

```
CREATE TABLE TEST_FLIGHT_TABLE AS
SELECT DEPARTURE_AIRPORT AS "AIRPORT_CODE"
FROM FLIGHTS

INSERT INTO TEST_FLIGHT_TABLE (AIRPORT_CODE)
SELECT ARRIVAL_AIRPORT
FROM FLIGHTS

SELECT AIRPORT_CODE AS "AIRPORT", COUNT(*) AS "# OF TRIPS"
FROM TEST_FLIGHT_TABLE
GROUP BY AIRPORT_CODE
ORDER BY "# OF TRIPS" DESC
```

AIRPORT	# OF TRIPS
IAH	5
ORD	5
PHX	5
HNL	5
JFK	4
LGA	4
AUS	4
LAX	3
MIA	3
LAS	2

5. Identify revenue by flight this week. Display three columns: The flight number, destination airport and total revenue. There is one row for each flight number and destination airport. Display the highest revenue first and the lowest revenue last.

```
SELECT RESERVATIONS.AIRPLANE_TAG AS "TAIL NUMBER", RESERVATIONS.DEPARTURE_DATE AS "DEPARTURE TIME",
AIRPORTS.AIRPORT_NAME AS "DESTINATION", SUM(FLIGHTS.FLIGHT_PRICE + SEATS.SEAT_PRICE) AS "TOTAL"
FROM FLIGHTS, RESERVATIONS, SEATS, AIRPORTS
WHERE RESERVATIONS.DEPARTURE_DATE BETWEEN '11/15/2015' AND '11/22/2015' AND
RESERVATIONS.SEAT_ID = SEATS.SEAT_ID AND RESERVATIONS.DEPARTURE_DATE = FLIGHTS.DEPARTURE_DATE AND
RESERVATIONS.AIRPLANE_TAG = FLIGHTS.AIRPLANE_TAG AND FLIGHTS.ARRIVAL_AIRPORT = AIRPORTS.AIRPORT_CODE
GROUP BY RESERVATIONS.AIRPLANE_TAG, RESERVATIONS.DEPARTURE_DATE, AIRPORTS.AIRPORT_NAME
ORDER BY "TOTAL"
```

TAIL NUMBER	DEPARTURE TIME	DESTINATION	TOTAL
4	11/21/2015	LaGuardia Airport	935
2	11/17/2015	Phoenix Sky Harbor International Airport	1940
4	11/16/2015	O'Hare International Airport	2902

6. Identify flight crews with more than 100 hours of flight time this month. Display the staff name, title and total flight time. Display the staff with the most hours first.

```
SELECT STAFF.STAFF_FIRST AS "FIRST NAME", STAFF.STAFF_LAST AS "LAST NAME", STAFF.STAFF_TITLE AS "POSITION",
SUM(FLIGHTS.FLIGHT_TIME) AS "TOTAL FLIGHT TIME"
FROM STAFF, FLIGHT_STAFF, FLIGHTS
WHERE FLIGHTS.DEPARTURE_DATE BETWEEN '11/1/2015' AND '11/30/2015'
AND FLIGHTS.AIRPLANE_TAG = FLIGHT_STAFF.AIRPLANE_TAG
AND FLIGHTS.DEPARTURE_DATE = FLIGHT_STAFF.DEPARTURE_DATE
AND FLIGHT_STAFF.STAFF_ID = STAFF.STAFF_ID
GROUP BY STAFF.STAFF_FIRST, STAFF.STAFF_LAST, STAFF.STAFF_TITLE
ORDER BY "TOTAL FLIGHT TIME"
HAVING SUM(FLIGHTS.FLIGHT_TIME) >= 15
```

FIRST NAME	LAST NAME	POSITION	TOTAL FLIGHT TIME
Amol	Parris	Co-Pilot	16
Vittore	Huckabee	Flight Attendant	20
Angevin	Lindberg	Flight Attendant	20
Fredrick	Murry	Pilot	30

7. Identify passengers with checked luggage, but did not board the flight. Display the passenger name, flight number, date of departure and departure airport. Order the output by passenger name.

```
SELECT CUSTOMERS.CUSTOMER_FIRST AS "FIRST NAME", CUSTOMERS.CUSTOMER_LAST AS "LAST NAME",
RESERVATIONS.AIRPLANE_TAG AS "TAIL NUMBER", RESERVATIONS.DEPARTURE_DATE AS "TIME OF DEPARTURE",
FLIGHTS.DEPARTURE_AIRPORT AS "DEPARTURE AIRPORT"
FROM CUSTOMERS, RESERVATIONS, FLIGHTS, CHECKIN
WHERE CUSTOMERS.CUSTOMER_ID = RESERVATIONS.CUSTOMER_ID
AND RESERVATIONS.CHECKIN_ID = CHECKIN.CHECKIN_ID
AND RESERVATIONS.AIRPLANE_TAG = FLIGHTS.AIRPLANE_TAG
AND RESERVATIONS.DEPARTURE_DATE = FLIGHTS.DEPARTURE_DATE
AND CHECKED_LUGGAGE = 'Y' AND BOARDED_PLANE = 'N'
ORDER BY CUSTOMERS.CUSTOMER_LAST
```

FIRST NAME	LAST NAME	TAIL NUMBER	TIME OF DEPARTURE	DEPARTURE AIRPORT
Lensar	Boden	6	12/12/2015	IAH
Stefan	Botez	1	11/25/2015	LGA
Samantha	Dengate	4	11/16/2015	IAH
Pandarus	Fleet	5	11/12/2015	IAH
Kyra	Wyrick	5	11/12/2015	IAH

8. Identify planes with the most travel time and mileage in the last year. Display three columns: The flight number, number of flights, total flight time, total mileage. Display the flight with the most mileage first. Display one row for each flight.

```
SELECT AIRPLANE_TAG AS "TAIL NUMBER", COUNT(DEPARTURE_DATE) AS "NUMBER OF FLIGHTS",
SUM(FLIGHT_TIME) AS "TOTAL FIGHT TIME", SUM(FLIGHT_MILLAGE) AS "TOTAL MILLAGE"
FROM FLIGHTS
WHERE DEPARTURE_DATE BETWEEN '12/25/2014' AND '12/25/2015'
GROUP BY AIRPLANE_TAG
ORDER BY SUM(FLIGHT_MILLAGE) DESC
```

TAIL NUMBER	NUMBER OF FLIGHTS	TOTAL FIGHT TIME	TOTAL MILLAGE
4	4	43	8766
2	4	28	8166
3	3	37	7670
1	5	42	7237
5	2	43	6380
6	2	13	2520

9. Identify available seats on the flight departing JFK airport and traveling to Hawaii today. Display the flight number, date of departure, departure airport, seat number and cost. Display the cheapest seat first.

```

SELECT FLIGHTS.AIRPLANE_TAG AS "TAIL NUMBER", FLIGHTS.DEPARTURE_DATE AS "TIME OF DEPARTURE",
FLIGHTS.ARRIVAL_AIRPORT AS "ARRIVAL AIRPORT", SEATS.SEAT_NUMBER AS "SEAT NUMBER", SEATS.SEAT_PRICE AS "SEAT PRICE"
FROM FLIGHTS, RESERVATIONS, SEATS
WHERE RESERVATIONS.DEPARTURE_DATE BETWEEN '11/16/2015' AND '11/17/2015'
AND FLIGHTS.DEPARTURE_AIRPORT = 'IAH' AND FLIGHTS.ARRIVAL_AIRPORT = 'ORD'
AND FLIGHTS.AIRPLANE_TAG = RESERVATIONS.AIRPLANE_TAG AND FLIGHTS.DEPARTURE_DATE = RESERVATIONS.DEPARTURE_DATE
AND SEATS.SEAT_ID IN (
    SELECT SEAT_ID
    FROM SEATS
    WHERE SEAT_ID NOT IN (
        SELECT SEAT_ID
        FROM RESERVATIONS
        WHERE (AIRPLANE_TAG, DEPARTURE_DATE) IN (
            SELECT AIRPLANE_TAG, DEPARTURE_DATE
            FROM FLIGHTS
            WHERE DEPARTURE_AIRPORT = 'IAH' AND DEPARTURE_DATE BETWEEN '11/16/2015' AND '11/17/2015' AND ARRIVAL_AIRPORT = 'ORD'))
    GROUP BY FLIGHTS.AIRPLANE_TAG, FLIGHTS.DEPARTURE_DATE, FLIGHTS.ARRIVAL_AIRPORT, SEATS.SEAT_NUMBER, SEATS.SEAT_PRICE, SEATS.SEAT_ID
    ORDER BY SEATS.SEAT_PRICE, SEATS.SEAT_ID
)

```

TAIL NUMBER	TIME OF DEPARTURE	ARRIVAL AIRPORT	SEAT NUMBER	SEAT PRICE
4	11/16/2015	ORD	13a	10
4	11/16/2015	ORD	13b	10
4	11/16/2015	ORD	13c	10
4	11/16/2015	ORD	13d	10
4	11/16/2015	ORD	14a	10
4	11/16/2015	ORD	14b	10
4	11/16/2015	ORD	14c	10
4	11/16/2015	ORD	14d	10
4	11/16/2015	ORD	15a	10
4	11/16/2015	ORD	15b	10
4	11/16/2015	ORD	15c	10
4	11/16/2015	ORD	15d	10
4	11/16/2015	ORD	16a	10
4	11/16/2015	ORD	16b	10
4	11/16/2015	ORD	16c	10
4	11/16/2015	ORD	16d	10
4	11/16/2015	ORD	17a	10
4	11/16/2015	ORD	17b	10
4	11/16/2015	ORD	17c	10
4	11/16/2015	ORD	17d	10
4	11/16/2015	ORD	18a	10
4	11/16/2015	ORD	18b	10
4	11/16/2015	ORD	18c	10
4	11/16/2015	ORD	18d	10
4	11/16/2015	ORD	19a	10
4	11/16/2015	ORD	19b	10
4	11/16/2015	ORD	19c	10
4	11/16/2015	ORD	19d	10
4	11/16/2015	ORD	20a	10
4	11/16/2015	ORD	20b	10
4	11/16/2015	ORD	20c	10

10. Identify customers who have not traveled in the last year. Display the customer name. Order the output by customer name. Use a nested select to answer this question.

```
SELECT CUSTOMER_FIRST AS "FIRST NAME", CUSTOMER_LAST AS "LAST NAME"
FROM CUSTOMERS
WHERE CUSTOMER_ID NOT IN
    (SELECT CUSTOMER_ID
     FROM CUSTOMERS
     WHERE CUSTOMER_ID IN
         (SELECT CUSTOMER_ID
          FROM RESERVATIONS
          WHERE DEPARTURE_DATE BETWEEN '11/16/2014' AND '11/16/2015'))
ORDER BY CUSTOMER_LAST
```

FIRST NAME	LAST NAME
Carmelita	Behr
Lensar	Boden
Florin	Botez
David	Daniel
Saundra	Everly
Sammy	Kahn
Nasrin	Miles
Johannes	Pacheco
Silvia	Paige
Dorcus	Stubbs
Dirk	Summerville
Odell	Tiffany
Arthur	Tworek

11. Use the SQL DESCRIBE operation to list the table structure for all tables.

Object Type TABLE Object AIRPLANES

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
AIRPLANES	<u>AIRPLANE_TAG</u>	NUMBER	22	-	-	1	-	-	-
	<u>AIRPLANE_CAPACITY</u>	CHAR	3	-	-	-	-	-	-
	<u>AIRPLANE_MAKE</u>	VARCHAR2	25	-	-	-	-	-	-
	<u>AIRPLANE_MODEL</u>	VARCHAR2	25	-	-	-	-	-	-

Object Type TABLE Object AIRPORTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
AIRPORTS	AIRPORT_CODE	CHAR	3	-	-	1	-	-	-
	AIRPORT_NAME	VARCHAR2	50	-	-	-	-	-	-
	AIRPORT_CITY	VARCHAR2	25	-	-	-	-	-	-
	AIRPORT_STATE	CHAR	2	-	-	-	-	-	-
	AIRPORT_COUNTRY	VARCHAR2	25	-	-	-	-	-	-

## Object Type TABLE Object CHECKIN

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CHECKIN	CHECKIN_ID	NUMBER	22	-	-	1	-	-	-
	CHECKED_LUGGAGE	CHAR	1	-	-	-	✓	'N'	-
	BOARDED_PLANE	CHAR	1	-	-	-	✓	'N'	-

Object Type TABLE Object CUSTOMERS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CUSTOMER_ID	NUMBER	22	-	-	1	-	-	-
	CUSTOMER_FIRST	VARCHAR2	25	-	-	-	-	-	-
	CUSTOMER_LAST	VARCHAR2	25	-	-	-	-	-	-
	CUSTOMER_DOB	DATE	7	-	-	-	-	-	-
	CUSTOMER_PASSPORT	CHAR	15	-	-	-	-	-	-
	CUSTOMER_AGE	NUMBER	-	3	0	-	✓	-	-

## Object Type TABLE Object FLIGHTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FLIGHTS	AIRPLANE_TAG	NUMBER	22	-	-	1	-	-	-
	DEPARTURE_AIRPORT	CHAR	3	-	-	-	-	-	-
	ARRIVAL_AIRPORT	CHAR	3	-	-	-	-	-	-
	DEPARTURE_DATE	DATE	7	-	-	2	-	-	-
	ARRIVAL_DATE	DATE	7	-	-	-	-	-	-
	FLIGHT_MILLAGE	NUMBER	22	-	-	-	-	-	-
	FLIGHT_PRICE	NUMBER	22	-	-	-	-	-	-
	FLIGHT_TIME	NUMBER	-	6	0	-	✓	-	-

Object Type TABLE Object FLIGHT\_STAFF

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
FLIGHT_STAFF	FLIGHTSTAFF_ID	NUMBER	22	-	-	1	-	-	-
	AIRPLANE_TAG	NUMBER	22	-	-	-	-	-	-
	DEPARTURE_DATE	DATE	7	-	-	-	-	-	-
	STAFF_ID	NUMBER	22	-	-	-	-	-	-

## Object Type TABLE Object RESERVATIONS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RESERVATIONS	RESERVATION_ID	NUMBER	22	-	-	1	-	-	-
	CUSTOMER_ID	NUMBER	22	-	-	-	-	-	-
	AIRPLANE_TAG	NUMBER	22	-	-	-	-	-	-
	DEPARTURE_DATE	DATE	7	-	-	-	-	-	-
	SEAT_ID	NUMBER	22	-	-	-	-	-	-
	CHECKIN_ID	NUMBER	22	-	-	-	-	-	-

## Object Type TABLE Object SEATS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SEATS	SEAT_ID	NUMBER	22	-	-	1	-	-	-
	SEAT_NUMBER	CHAR	3	-	-	-	-	-	-
	SEAT_PRICE	NUMBER	22	-	-	-	-	-	-

Object Type TABLE Object STAFF

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STAFF	STAFF_ID	NUMBER	22	-	-	1	-	-	-
	STAFF_FIRST	VARCHAR2	25	-	-	-	-	-	-
	STAFF_LAST	VARCHAR2	25	-	-	-	-	-	-
	STAFF_DOB	DATE	7	-	-	-	-	-	-
	STAFF_SSN	CHAR	11	-	-	-	-	-	-
	STAFF_TITLE	VARCHAR2	25	-	-	-	-	-	-

Create Table Commands:

```
CREATE TABLE "AIRPLANES"
(
    "AIRPLANE_TAG"           NUMBER      NOT NULL,
    "AIRPLANE_CAPACITY"     CHAR(3)    NOT NULL,
    "AIRPLANE_MAKE"          VARCHAR(25) NOT NULL,
    "AIRPORT_MODEL"          VARCHAR(25) NOT NULL,
    PRIMARY KEY("AIRPLANE_TAG")
)/

CREATE TABLE "AIRPORTS"
(
    "AIRPORT_CODE"           CHAR(3)    NOT NULL,
    "AIRPORT_NAME"          VARCHAR(25) NOT NULL,
    "AIRPORT_CITY"           VARCHAR(25) NOT NULL,
    "AIRPORT_STATE"          CHAR(2)     NOT NULL,
    "AIRPORT_COUNTRY"        VARCHAR(25) NOT NULL,
    PRIMARY KEY("AIRPORT_CODE")
)/

CREATE TABLE "FLIGHTS"
(
    "FLIGHT_NUMBER"          NUMBER      NOT NULL,
    "AIRPLANE_TAG"           NUMBER      NOT NULL,
    "DEPARTURE_AIRPORT"     CHAR(3)    NOT NULL,
    "ARRIVAL_AIRPORT"        CHAR(3)    NOT NULL,
    "DEPARTURE_DATE"         DATE       NOT NULL,
    "ARRIVAL_DATE"           DATE       NOT NULL,
    "FLIGHT_MILLAGE"         NUMBER      NOT NULL,
    "FLIGHT_PRICE"            NUMBER      NOT NULL,
    "FLIGHT_TIME"             TIMESTAMP ,
    PRIMARY KEY("FLIGHT_NUMBER", "DEPARTURE_DATE"),
    FOREIGN KEY("DEPARTURE_AIRPORT") REFERENCES "AIRPORTS"("AIRPORT_CODE"),
    FOREIGN KEY("ARRIVAL_AIRPORT") REFERENCES "AIRPORTS"("AIRPORT_CODE")
)/

CREATE TABLE "STAFF"
(
    "STAFF_ID"                NUMBER      NOT NULL,
    "STAFF_FIRST"              VARCHAR(25) NOT NULL,
    "STAFF_LAST"               VARCHAR(25) NOT NULL,
    "STAFF_DOB"                 DATE       NOT NULL,
    "STAFF_SSN"                  CHAR(9)    NOT NULL,
    "STAFF_TITLE"               VARCHAR(25) NOT NULL,
    PRIMARY KEY("STAFF_ID")
)/

CREATE TABLE "CUSTOMERS"
(
    "CUSTOMER_ID"              NUMBER      NOT NULL,
    "CUSTOMER_FIRST"            VARCHAR(25) NOT NULL,
    "CUSTOMER_LAST"              VARCHAR(25) NOT NULL,
    "CUSTOMER_DOB"                DATE       NOT NULL,
    "CUSTOMER_PASSPORT"          CHAR(15)   NOT NULL,
    "CUSTOMER_AGE"                  TIMESTAMP ,
    PRIMARY KEY("CUSTOMER_ID")
)/
```

```
CREATE TABLE "RESERVATIONS"
(
    "RESERVATION_ID"      NUMBER      NOT NULL,
    "CUSTOMER_ID"         NUMBER      NOT NULL,
    "FLIGHT_NUMBER"       NUMBER      NOT NULL,
    "DEPARTURE_DATE"     DATE        NOT NULL,
    "SEAT_ID"             VARCHAR(3) NOT NULL,
    "CHECKIN_ID"          NUMBER      NOT NULL,
    PRIMARY KEY("RESERVATION_ID"),
    FOREIGN KEY("CUSTOMER_ID") REFERENCES "CUSTOMERS"("CUSTOMER_ID"),
    FOREIGN KEY("FLIGHT_NUMBER", "DEPARTURE_DATE") REFERENCES "FLIGHTS"("FLIGHT_NUMBER", "DEPARTURE_DATE"),
    FOREIGN KEY("CHECKIN_ID") REFERENCES "CHECKIN"("CHECKIN_ID")
)/

ALTER TABLE RESERVATIONS
ADD CONSTRAINT SEATfk
ADD FOREIGN KEY("SEAT_ID") REFERENCES "SEATS"("SEAT_ID")

CREATE TABLE "SEATS"
(
    "SEAT_ID"              NUMBER      NOT NULL,
    "SEAT_NUMBER"           CHAR(3)    NOT NULL,
    "SEAT_PRICE"            NUMBER      NOT NULL,
    PRIMARY KEY("SEAT_ID")
)/

CREATE TABLE "FLIGHT_STAFF"
(
    "FLIGHTSTAFF_ID"       NUMBER      NOT NULL,
    "FLIGHT_NUMBER"         NUMBER      NOT NULL,
    "DEPARTURE_DATE"       DATE        NOT NULL,
    "STAFF_ID"              NUMBER      NOT NULL,
    PRIMARY KEY("FLIGHTSTAFF_ID"),
    FOREIGN KEY("FLIGHT_NUMBER", "DEPARTURE_DATE") REFERENCES "FLIGHTS"("FLIGHT_NUMBER", "DEPARTURE_DATE"),
    FOREIGN KEY("STAFF_ID") REFERENCES "STAFF"("STAFF_ID")
)/

CREATE TABLE "CHECKIN"
(
    "CHECKIN_ID"            NUMBER      NOT NULL,
    "CHECKED_LUGGAGE"       CHAR(1)    DEFAULT 'N',
    CHECK ("CHECKED_LUGGAGE" IN ('Y', 'N')),
    PRIMARY KEY("CHECKIN_ID"),
)/

ALTER TABLE CHECKIN
ADD "BOARDED_PLANE" CHAR(1) DEFAULT 'N'
ADD CHECK ("BOARDED_PLANE" IN ('Y', 'N')) ENABLE
```

Insertion Commands:

```
INSERT ALL
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(1,100,Airbus,321      )
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(2,100,Airbus,321      )
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(3,120,Airbus,320      )
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(4,120,Airbus,320      )
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(5,50 ,Embraer,190    )
INTO AIRPLANES(AIRPLANE_TAG,AIRPLANE_CAPACITY,AIRPLANE_MAKE,AIRPLANE_MODEL)
VALUES(6,50 ,Embraer,190    )
```

```
INSERT ALL
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(JFK,John F. Kennedy,New York,NY,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(LGA,LaGuardia Airport,New York,NY,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(HNL,Honolulu International Airport,Honolulu,HI,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(LAX,Los Angeles International Airport,Los Angeles,CA,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(LAS,McCarran International Airport,Las Vegas,NV,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(MIA,Miami International Airport,Miami,FL,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(ORD,'O'Hare International Airport,Chicago,IL,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(PHX,Phoenix Sky Harbor International Airport,Phoenix,AZ,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(IAH,George Bush Intercontinental Airport,Houston,TX,United States      )
INTO AIRPORTS(AIRPORT_CODE,AIRPORT_NAME,AIRPORT_CITY,AIRPORT_STATE,AIRPORT_COUNTRY)
VALUES(AUS,Austin-Bergstrom International Airport,Austin,TX,United States      )
```

PLEASE NOTE: In order for syntax coloring to take effect, I had to add an extra "" in front of "O" in "O'Hare International Airport"

```
INSERT ALL
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(1,Y,Y )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(2,Y,Y )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(3,Y,Y )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(4,Y,N )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(5,N,N )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(6,N,Y )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(7,N,Y )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(8,Y,N )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(9,N,N )
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(10,Y,Y)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(11,N,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(12,N,Y)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(13,Y,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(14,N,Y)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(15,N,Y)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(16,Y,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(17,N,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(18,Y,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(19,N,N)
INTO CHECKIN(CHECKIN_ID,CHECKED_LUGGAGE,BOARDED_PLANE)
VALUES(20,N,Y)
```

```
INSERT ALL
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(9,Melissa,Moreno,1992-09-23T00:00:00,3242-6456-67846,23 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(10,Johannes,Pacheco,1992-01-25T00:00:00,1234-6437-58592,23 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(11,Carmelita,Behr,1940-09-28T00:00:00,8748-2394-12369,75 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(12,Kyra,Wyrick,1945-01-01T00:00:00,9856-0374-20384,70 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(13,Dirk,Summerville,1972-11-27T00:00:00,5637-4961-29786,42 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(14,Sammy,Kahn,1978-01-06T00:00:00,8473-4758-28475,37 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(15,Pandarus,Fleet,1960-06-12T00:00:00,3451-5968-29385,55 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(16,Saundra,Everly,1972-07-22T00:00:00,2847-5837-29385,43 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(17,Lensar,Boden,1984-01-18T00:00:00,4753-0874-04660,31 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(18,Nasrin,Miles,1994-11-28T00:00:00,2358-8213-18135,20 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(19,Odell,Tiffany,1986-12-11T00:00:00,5329-2428-19318,28 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(20,Dorcas,Stubbs,1950-07-18T00:00:00,5030-0133-94538,65 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(1,Alexandru,Gutu,1992-05-17T00:00:00,1234-5678-12345,23 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(2,John,Paige,2002-04-29T00:00:00,3545-5837-45817,13 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(3,Arthur,Tworek,1993-05-10T00:00:00,2132-2425-79872,22 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(4,Samantha,Dengate,1993-02-24T00:00:00,2134-3425-67335,22 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(5,David,Daniel,1966-10-22T00:00:00,2321-4536-32256,49 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(6,Silvia,Paige,1972-02-01T00:00:00,8472-4873-34951,43 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(7,Stefan,Botez,1978-02-14T00:00:00,8746-2346-98746,38 )
INTO CUSTOMERS(CUSTOMER_ID,CUSTOMER_FIRST,CUSTOMER_LAST,CUSTOMER_DOB,CUSTOMER_PASSPORT,CUSTOMER_AGE)
VALUES(8,Florin,Botez,1982-09-24T00:00:00,3942-5747-23945,33 )
```

```

INSERT ALL
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),'JFK','ORD',TO_DATE('11/10/2015 14:00','mm/dd/yyyy hh24:mi'),737,389)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),'LAX','IAH',TO_DATE('11/23/2015 16:50','mm/dd/yyyy hh24:mi'),1370,948)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),'LAS','HNL',TO_DATE('11/14/2015 23:40','mm/dd/yyyy hh24:mi'),2760,950)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(2,TO_DATE('11/15/2015 14:00','mm/dd/yyyy hh24:mi'),'HNL','IAH',TO_DATE('11/15/2015 19:25','mm/dd/yyyy hh24:mi'),3890,1250)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(4,TO_DATE('11/16/2015 17:30','mm/dd/yyyy hh24:mi'),'IAH','ORD',TO_DATE('11/16/2015 23:30','mm/dd/yyyy hh24:mi'),926,693)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),'AUS','LGA',TO_DATE('11/17/2015 04:15','mm/dd/yyyy hh24:mi'),1510,960)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(2,TO_DATE('11/17/2015 05:00','mm/dd/yyyy hh24:mi'),'MIA','PHX',TO_DATE('11/17/2015 16:25','mm/dd/yyyy hh24:mi'),1970,940)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(1,TO_DATE('11/19/2015 17:15','mm/dd/yyyy hh24:mi'),'ORD','MIA',TO_DATE('11/19/2015 23:45','mm/dd/yyyy hh24:mi'),1200,938)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),'PHX','AUS',TO_DATE('11/20/2015 18:00','mm/dd/yyyy hh24:mi'),866,462)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),'IAH','JFK',TO_DATE('11/13/2015 06:30','mm/dd/yyyy hh24:mi'),1410,875)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(4,TO_DATE('11/21/2015 17:30','mm/dd/yyyy hh24:mi'),'AUS','LGA',TO_DATE('11/22/2015 05:45','mm/dd/yyyy hh24:mi'),1510,925)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(1,TO_DATE('11/25/2015 01:45','mm/dd/yyyy hh24:mi'),'LGA','LAX',TO_DATE('11/25/2015 17:40','mm/dd/yyyy hh24:mi'),2460,546)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(3,TO_DATE('11/25/2015 15:25','mm/dd/yyyy hh24:mi'),'HNL','LAS',TO_DATE('11/26/2015 11:30','mm/dd/yyyy hh24:mi'),2760,489)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(1,TO_DATE('11/27/2015 18:20','mm/dd/yyyy hh24:mi'),'LAX','ORD',TO_DATE('11/28/2015 06:35','mm/dd/yyyy hh24:mi'),1740,753)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(3,TO_DATE('11/26/2015 12:35','mm/dd/yyyy hh24:mi'),'JFK','PHX',TO_DATE('11/26/2015 23:50','mm/dd/yyyy hh24:mi'),2150,851)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(1,TO_DATE('12/15/2015 17:15','mm/dd/yyyy hh24:mi'),'MIA','AUS',TO_DATE('12/15/2015 22:00','mm/dd/yyyy hh24:mi'),1100,842)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(5,TO_DATE('12/10/2015 11:00','mm/dd/yyyy hh24:mi'),'HNL','JFK',TO_DATE('12/11/2015 20:30','mm/dd/yyyy hh24:mi'),4970,2450)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(4,TO_DATE('12/12/2015 20:15','mm/dd/yyyy hh24:mi'),'LGA','HNL',TO_DATE('12/13/2015 10:55','mm/dd/yyyy hh24:mi'),4960,2179)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(2,TO_DATE('12/13/2015 23:45','mm/dd/yyyy hh24:mi'),'PHX','ORD',TO_DATE('12/14/2015 07:15','mm/dd/yyyy hh24:mi'),1440,835)
INTO FLIGHTS (AIRPLANE_TAG, DEPARTURE_DATE, DEPARTURE_AIRPORT, ARRIVAL_AIRPORT, ARRIVAL_DATE, FLIGHT_MILLAGE, FLIGHT_PRICE)
VALUES(6,TO_DATE('12/12/2015 16:30','mm/dd/yyyy hh24:mi'),'IAH','PHX',TO_DATE('12/12/2015 23:15','mm/dd/yyyy hh24:mi'),1010,918)
SELECT * FROM DUAL;

UPDATE FLIGHTS
SET FLIGHT_TIME = abs((ARRIVAL_DATE - DEPARTURE_DATE)*24)

```

```
INSERT ALL
INTO FLIGHT_STAFF
VALUES(1,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),1)
INTO FLIGHT_STAFF
VALUES(2,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),2)
INTO FLIGHT_STAFF
VALUES(3,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),3)
INTO FLIGHT_STAFF
VALUES(4,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),4)
INTO FLIGHT_STAFF
VALUES(5,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),5)
INTO FLIGHT_STAFF
VALUES(6,4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),6)
INTO FLIGHT_STAFF
VALUES(7,4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),7)
INTO FLIGHT_STAFF
VALUES(8,4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),8)
INTO FLIGHT_STAFF
VALUES(9,4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),9)
INTO FLIGHT_STAFF
VALUES(10,4,TO_DATE('11/23/2015 07:00','mm/dd/yyyy hh24:mi'),10)
INTO FLIGHT_STAFF
VALUES(11,3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),2 )
INTO FLIGHT_STAFF
VALUES(12,3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),6 )
INTO FLIGHT_STAFF
VALUES(13,3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),15)
INTO FLIGHT_STAFF
VALUES(14,3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),14)
INTO FLIGHT_STAFF
VALUES(15,3,TO_DATE('11/14/2015 18:00','mm/dd/yyyy hh24:mi'),13)
INTO FLIGHT_STAFF
VALUES(16,6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),1 )
INTO FLIGHT_STAFF
VALUES(17,6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),17)
INTO FLIGHT_STAFF
VALUES(18,6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),18)
INTO FLIGHT_STAFF
VALUES(19,6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),3 )
INTO FLIGHT_STAFF
VALUES(20,6,TO_DATE('11/16/2015 22:00','mm/dd/yyyy hh24:mi'),4 )
INTO FLIGHT_STAFF
VALUES(21,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),16)
INTO FLIGHT_STAFF
VALUES(22,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),17)
INTO FLIGHT_STAFF
VALUES(23,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),6 )
INTO FLIGHT_STAFF
VALUES(24,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),8 )
INTO FLIGHT_STAFF
VALUES(25,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),14)
INTO FLIGHT_STAFF
VALUES(26,2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),11)
INTO FLIGHT_STAFF
VALUES(27,2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),6 )
INTO FLIGHT_STAFF
VALUES(28,2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),14)
INTO FLIGHT_STAFF
VALUES(29,2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),5 )
INTO FLIGHT_STAFF
VALUES(30,2,TO_DATE('11/20/2015 13:45','mm/dd/yyyy hh24:mi'),20)
SELECT * FROM DUAL
```

```
INSERT ALL
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(1,1,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),1,1      )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(2,4,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),4,2      )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(3,2,1,TO_DATE('11/10/2015 12:00','mm/dd/yyyy hh24:mi'),2,3      )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(4,4,4,TO_DATE('11/16/2015 17:30','mm/dd/yyyy hh24:mi'),8,4      )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(5,14,4,TO_DATE('11/16/2015 17:30','mm/dd/yyyy hh24:mi'),4,5      )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(6,1,4,TO_DATE('11/16/2015 17:30','mm/dd/yyyy hh24:mi'),12,6     )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(7,17,4,TO_DATE('11/16/2015 17:30','mm/dd/yyyy hh24:mi'),97,7    )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(8,15,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),32,8    )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(9,7,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),47,9    )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(10,18,3,TO_DATE('11/25/2015 15:25','mm/dd/yyyy hh24:mi'),73,10   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(11,10,3,TO_DATE('11/25/2015 15:25','mm/dd/yyyy hh24:mi'),12,11   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(12,5,4,TO_DATE('12/12/2015 20:15','mm/dd/yyyy hh24:mi'),57,12   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(13,17,6,TO_DATE('12/12/2015 16:30','mm/dd/yyyy hh24:mi'),95,13   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(14,12,2,TO_DATE('11/17/2015 05:00','mm/dd/yyyy hh24:mi'),48,14   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(15,11,2,TO_DATE('11/17/2015 05:00','mm/dd/yyyy hh24:mi'),17,15   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(16,12,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),43,16   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(17,6,4,TO_DATE('11/21/2015 17:30','mm/dd/yyyy hh24:mi'),73,17   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(18,7,1,TO_DATE('11/25/2015 01:45','mm/dd/yyyy hh24:mi'),27,18   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(19,8,1,TO_DATE('12/15/2015 17:15','mm/dd/yyyy hh24:mi'),24,19   )
INTO RESERVATIONS (RESERVATION_ID,CUSTOMER_ID,AIRPLANE_TAG,DEPARTURE_DATE,SEAT_ID,CHECKIN_ID)
VALUES(20,9,5,TO_DATE('11/12/2015 20:15','mm/dd/yyyy hh24:mi'),19,20   )
SELECT * FROM DUAL;
```

```
INSERT ALL
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(1,1a ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(2,1b ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(3,1c ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(4,1d ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(5,2a ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(6,2b ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(7,2c ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(8,2d ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(9,3a ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(10,3b ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(11,3c ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(12,3d ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(13,4a ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(14,4b ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(15,4c ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(16,4d ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(17,5a ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(18,5b ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(19,5c ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(20,5d ,40 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(21,6a ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(22,6b ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(23,6c ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(24,6d ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(25,7a ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(26,7b ,20 )
INTO SEATS(SEAT_ID,SEAT_NUMBER,SEAT_PRICE)
VALUES(27,7c ,20 )
```

PLEASE NOTE: I had 100 seats in total for my planes, this is just a snippet.

```
INSERT ALL
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (1,John,Diulus,1974-02-19T00:00:00,043-23-2412,Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (2,Beena,Wu,1991-05-24T00:00:00,934-23-4546,Co-Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (3,Leslie,Knope,1980-08-02T00:00:00,034-54-7682,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (4,Abraham,Martinez,1987-09-02T00:00:00,034-23-4673,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (5,John,Hopkins,1986-11-23T00:00:00,345-23-2135,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (6,Fredrick,Murry,1972-10-17T00:00:00,107-82-5320,Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (7,Ximen,Yow,1973-09-26T00:00:00,234-78-4803,Co-Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (8,Vittore,Huckabee,1955-12-17T00:00:00,675-40-7788,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (9,Milburn,Urena,1983-09-27T00:00:00,649-54-0265,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (10,Melvyn,Dempsey,1969-12-23T00:00:00,369-14-6571,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (11,Sarosh,Clauson,1967-05-21T00:00:00,173-24-8173,Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (12,Madhavi,Merten,1983-08-31T00:00:00,697-07-5330,Co-Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (13,Kumari,Bolt,1985-06-16T00:00:00,476-32-7891,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (14,Angevin,Lindberg,1953-08-23T00:00:00,174-76-2642,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (15,Mora,Goforth,1972-05-03T00:00:00,446-28-8130,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (16,Cassandra,Silverberg,1961-12-09T00:00:00,530-17-9007,Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (17,Amol,Parris,1973-03-08T00:00:00,225-96-7798,Co-Pilot)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (18,Aldridge,Gudino,1986-06-19T00:00:00,528-97-0596,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (19,Ian,Mull,1989-03-03T00:00:00,029-22-3749,Flight Attendant)
INTO STAFF (STAFF_ID, STAFF_FIRST, STAFF_LAST, STAFF_DOB, STAFF_SSN, STAFF_TITLE)
VALUES (20,Almedha,Nalley,1971-09-09T00:00:00,411-97-6717,Flight Attendant)
SELECT * FROM DUAL;
```