DBMS
Assignment 9

Consider the following airlines schema where attribute names are having their usual meaning:

AIRPORT

airportcode	name	city	state

FLT-SCHEDULE

flt#	airline	dtime	from-airportcode	atime	to-airportcode	miles	price

FLT-WEEKDAY

flt#	weekday

FLT-INSTANCE

flt#	date	plane#	#avail-seats

AIRPLANE

plane#	plane-type	total-#seats

CUSTOMER

cust#	first	middle	last	phone#	street	city	state	zip

RESERVATION

flt#	date	cust#	seat#	check-in-status	ticket#

Write the SQL DDL and SQL DML statements for the following statements.
Remember that simplicity counts. Assume the airport code of Delhi and Mumbai are DELHI and MUMBAI respectively.

1. Create table FLT-SCHEDULE. (Choose appropriate data types and constraints)
2. Create table RESERVATION. (Choose appropriate data types and constraints)
3. Find all the flights out of Delhi with a price over Rs. 40,000.
4. Find the cost of all the flights of all the airlines for flights out of Mumbai ordered by ascending airline and descending price.
5. Cancel all flight instances for Jet Airways on 9/10/2007.
6. Find flight number for flights on Tuesdays and flight number with more than 100 seats.
7. How many flights are scheduled for Tuesdays?
8. Find the average ticket price by airline.
9. Which airlines are available if a customer wants to travel on Thursdays?
10. Find flight number for flights on Saturdays with less than 500 seats.
11. Find all the flights on Tuesdays or Thursdays where seat is available.
12. Find all the flights on Saturday for all the airlines start and end with the letter "A".
13. Name the airline which is costliest to reach Delhi.
14. Find the average ticket price by airline for scheduled flights out of Delhi for airlines with more than 5 scheduled flights out of Delhi.
15. List the name and phone number of all the customers traveling by Lufthansa airline on Thursday September 29, 2007.