

### Assignment 3

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Question 1) a) select Flight-number, Airline  
FROM Flight  
ORDER BY Airline;

b) Select Fare-code, Restrictions, Amount,  
Amount \* 1.15 AS Amount-after-tax  
FROM Fare  
WHERE Amount > 50;

c) DELETE TOP (5) Percent  
FROM SEAT-Reservation

d) SELECT Airplane-type-name, Max-Seats  
FROM AIRPLANE-Type;

e) SELECT Airplane-type-name  
FROM AIRPLANE-TYPE  
WHERE AIRPLANE-type-name LIKE 'E%T';

f) SELECT FLIGHT.Flight-number, Airport.Name AS Departure  
AIRPORT-ARRIVAL.Name AS Arrival-Airport, Airport,  
FLIGHT-LEG.Scheduled-departure-time,  
FLIGHT-LEG.Scheduled-arrival-time, AIRPLANE.Airplane-type  
FROM FLIGHT

JOIN FLIGHT-Leg ON Flight.Flight-number = Flight-Leg.  
Flight-number

JOIN Airport AS Airport ON Flight-Leg.Departure-airport-code =  
AIRPORT.Airport-code.

JOIN Airport AS Airport-Arrival ON Flight-Leg.Arrival-airport.  
code = Airport-Arrival.airport-code.

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JOIN Leg-Instance ON Flight-Leg.Flight-number = Leg-Instance.
Flight-number AND FLIGHT-LEG.leg-number = LEG-Instance.leg-number
JOIN Airplane ON Leg-Instance.Airplane-id = Airplane.Airplane.id
WHERE FLIGHT.Weekdays LIKE '%Monday%';

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j) SELECT Flight.Flight-number, Flight.Airline,  
Departure Airport.Name AS Departure Airport.  
Arrival Airport.Name AS Arrival-Airport  
Flight Leg. Scheduled-Departure-time  
Flight Leg. Scheduled-Arrival-time  
FROM Flight  
JOIN Flight-Leg ~~ON Flight.Flight-number = Flight-LEG.~~  
Flight-number  
JOIN Airport AS Departure-Airport ON Flight-LEG.Departure-  
airport-code = Departure Airport.Airport-code.  
JOIN AIRPORT AS ARRIVAL-AIRPORT ON Flight-Leg.  
Arrival-airport-code = ARRIVAL-Airport.Airport-code  
WHERE FLIGHT.Airline LIKE '%Air%';