

## Question 1a)

Select \*

FROM FLIGHT

ORDER BY Airline;

1b)

SELECT Restrictions, Amount, (Amount \* 1.15) AS  
Amount\_After\_Taxes

FROM FARE

WHERE Amount > 50;

1c)

DELETE FROM SEAT-RESERVATION

WHERE (Flight\_number, Leg\_number, Date,  
Seat\_number) IN (SELECT Flight\_number,  
Leg\_number, Date, Seat\_number

FROM SEAT-RESERVATION

ORDER BY RAND()

LIMIT (SELECT ROUND(COUNT(\*) \* 0.05)

FROM SEAT-RESERVATION)

);

1d)

SELECT Airplane\_type\_name, Max\_seats  
FROM AIRPLANE-TYPE;



1e)

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

1f)

SELECT

f. Flight - number, f. Airline, dep - airport - Name AS Departure - Airport,  
arr - airport - Name AS Arrival - Airport, leg - i - Departure - time,  
leg - i - Arrival - time, a. Airplane - type

FROM FLIGHT f

JOIN FLIGHT - LEG leg ON f. Flight - number = leg. Flight - number

JOIN LEG - INSTANCE leg - i ON leg. Flight - number = leg - i. Flight - number

AND leg - i. Leg - number = leg - i. Leg - number

JOIN AIRPORT dep - airport ON leg - i. Departure - airport - code  
= dep - airport - Airport - code

JOIN AIRPORT arr - airport ON leg - i. Arrival - airport - code  
= arr - airport - Airport - code

JOIN AIRPLANE a ON leg - i. Airplane - id = a. Airplane - id

WHERE f. Weekdays LIKE '1%Mondays%';

1j)

SELECT

f. Flight - number, f. Airline, dep - airport - Name AS Departure - Airport  
arr - airport - Name AS Arrival - Airport, leg. Scheduled - departure  
- time, leg. Scheduled - arrival - time

FROM FLIGHT f

JOIN FLIGHT - LEG leg ON f. Flight - number = leg. Flight - number

JOIN AIRPORT dep - airport ON leg. Departure - airport - code =

dep - airport - Airport - code JOIN AIRPORT arr - airport ON

leg. Arrival - airport - code = arr - airport - Airport - code

WHERE f. Airline LIKE '1%AIR%'