

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;

le)

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

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.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 '%Monday%',

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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 '%AIR%'