GROUP 20

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Airlines(Airline_id:VARCHAR(2),
     Name: VARCHAR(25),
     PK(Airline_id))

Airports(Airport_id:VARCHAR(3),
     Name: VARCHAR(25),
     City: VARCHAR(25),
     Country:VARCHAR(25),
     PK(Airport_id))

Flights(Flight_number:INT,
     Airline_id: INT,
     Stops: VARCHAR(50),
     Fares: INT,
     Number_seats: INT,
     Working_days: ,
     FK(Airline_id)REFERENCE Airlines,
     PK(Flight_number, Airline_id))

Reservations(Reservation_number: INT,
     Booking_fee:INT,
     Passengers: INT,
     Customer_representative: VARCHAR(25),
     Total_Fare: INT,
     Date: VARCHAR(25),
     Fare_restrictions: VARCHAR(25)
     PK(Reservation_number))

Customer(Account_number: INT,
     First_name: VARCHAR(25),
     Last_name: VARCHAR(25),
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        Address: VARCHAR(25),
        City: VARCHAR(25),
        State: VARCHAR(25),
        Zip_code: INT,
        Telephone: INT,
        Email: VARCHAR(25),
        Creation_date: VARCHAR(25)
        CreditCard_num: INT
        Preferences: VARCHAR(25),
        PK(Account_number))

Employees(Employee_number:INT,
        Password:VARCHAR(25),
        Account_Number:INT,
        PK(Employee_number))

Preferences(Pref_id:INT,
        Account_number:INT
        Meal: VARCHAR(25),
        Seat: VARCHAR(25),
        FK(Account_number)REFERENCE Customer,
        PK(Account_number,Pref_id))

To(Airport_id:VARCHAR(3),
        Flight_number:INT,
        Time:VARCHAR(25),
        FK(Airport_id)REFERENCE Airports,
        FK(Flight_number)REFERENCE Flights),
        PK(Airport_id, Flight_number))

From(Airport_id:VARCHAR(3),
        Flight_number:INT,
        Time:VARCHAR(25),
```

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        FK(Airport_id)REFERENCE Airports,
        FK(Flight_number)REFERENCE Flights),
        PK(Airport_id, Flight_number))

Works_for(Employee_number:INT,
        Airline_id:VARCHAR(2),
        PK(Employee_number, Airline_id),
        FK(Employee_number)REFERENCE Employees,
        FK(Airline_id)REFERENCE Airlines)

Works_with(Airline_id:VARCHAR(2),
        Airport_id:VARCHAR(3),
        FK(Airline_id)REFERENCE Airlines,
        FK(Airport_id)REFERENCE Airports,
        PK(Airline_id, Airport_id))

Manages(Employee_number:INT,
        Account_number:INT,
        FK(Employee_number)REFERENCE Employees,
        FK(Account_number)REFERENCE Customer,
        PK(Employee_number, Account_number))

Buys(Account_number:INT,
        Reservation_number:INT,
        FK(Account_number)REFERENCE Customer,
        FK(Reservation_number)REFERENCE Reservations,
        PK(Account_number, Reservation_number))

Operates(Airline_id:VARCHAR(2),
        Flight_number:INT,
        FK(Airline_id)REFERENCE Airlines,
        FK(Flight_number)REFERENCE Flight
        PK(Airline_id, Flight_nummber))
```

```
Has_legs(Reservation_number:INT,
     Flight_number:INT,
     Airline_id:VARCHAR(2),
     Class:VARCHAR(25),
     Special_meal:VARCHAR(25),
     Seat:INT,
     FK(Airline_id)REFERENCE Airlines
     FK(Reservation_number)REFERENCE Reservation
     FK(Flight_number)REFERENCE Flight
     PK(Reservation_number, Flight_number, Airline_id))

Has(Account_number:INT,
     Pref_id:INT,
     FK(Account_number)REFERENCE Customer,
     FK(Pref_id)REFERENCE Preferences,
     PK(Account_number, Pref_id))
```