Problem

Major airlines companies that provide passenger services keep databases with lots of information on all airlines.

●　　Each airline has an identification number, name and address, name of the contact person and telephone numbers.

●　　Each employee who works in Airline Company has an employee identification number, name, address, birthday recorded as (day, month, year), gender, position with the company, and qualifications.

●　　Each airline owns different aircraft models. For each aircraft an aircraft identification number, capacity, and model is recorded.

●　　The aircrafts are assigned to different routes. An aircraft can work on more than one route and a route has many aircrafts going on it. Some information such as number of passengers, price per passenger, departure date time, arrival date time and the time that aircraft spent in traveling the route are recorded.

●　　Each route has a route identification number, origin, destination, distance,classification (e.g. domestic or international route).

●　　Each aircraft has its own crew (major pilot, assistant pilot and two hostesses), the aircraft crew not stored as employees. Each crew is assigned to one aircraft.

●　　Each airline keeps information about their buy/sell transactions (for example selling an airplane ticket is a sell transaction, paying for maintenance is a buy transaction). Each transaction has a transaction identification number, date, description, and amount of money paid/received.