

```
q2
create table InsuranceCo(name varchar(30) primary key, phone int);
create table Vehicle(licencePlate varchar(30) primary key,
                                    year int,
                                    maxLiability int,
                                    ssn int,
                                    name varchar(30),
                                    FOREIGN KEY (name) references InsuranceCo(name),
                                    FOREIGN KEY (ssn) references Person(ssn);
create table Car(licencePlate varchar(30) primary key,
                             make varchar(30),
                             FOREIGN KEY (licencePlate) references Vehicle(licencePlate));
create table Truck(licencePlate varchar(30) primary key,
                              capacity int,
                              driverID int,
                              FOREIGN KEY (licencePlate) references Vehicle(licencePlate),
create table Person(ssn int primary key,name varchar(30));
create table Driver(driverID int primary key,
                                    ssn int.
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FOREIGN KEY (ssn) references Person(ssn));

create table nonProfessionalDriver(ssn int primary key,

FOREIGN KEY(ssn) references Driver(driverID));

create table ProfessionalDriver(ssn int primary key,

medicalHistory varchar(30)

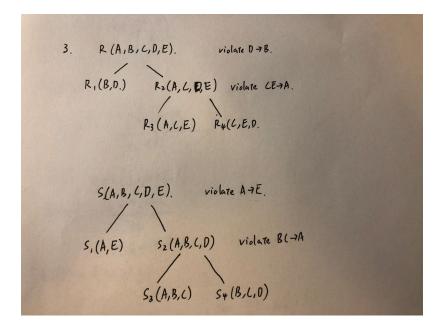
FOREIGN KEY (ssn) references Driver(driverID));

create table Drives(licencePlate varchar(30)

ssn int

FOREIGN KEY (licencePlate) references Vehicle(licencePlate), FOREIGN KEY (ssn) references Person(ssn));

- -- To represent the relationship "insures" in the E/R diagram. I put the primary
- -- key of InsuranceCo "name" into the Vehicle table.
- -- Drives are many to many relations while operates are many to one relations.
- -- The drives need extra table while operates do not.



4. 4) A = A b) A = B c) A = B B = B B = C B = A A C = C C = ABO D = D = ABC