```sql
CREATE TABLE PHARMA_CO (
        id int,
        name varchar (255),
        phone_num int,
        PRIMARY KEY (id)
);

CREATE TABLE DRUG (
        trade_name varchar (255),
        formula varchar (255),
        pharma_id int,
        PRIMARY KEY (trade_name, pharma_id),
        FOREIGN KEY (pharma_id) references PHARMA_CO (id)
                ON DELETE CASCADE
);

CREATE TABLE PHARMACY (
        id int,
        name varchar (255),
        address varchar (255),
        phone_num int,
        PRIMARY KEY (id)
);

CREATE TABLE SELL (
        pharmacy_id int,
        dtrade_name varchar (255),
        pharma_co_id int,
        price real,
        FOREIGN KEY (pharmacy_id) references PHARMACY (id),
        FOREIGN KEY (dtrade_name, pharma_co_id) references DRUG (trade_name, pharma_id)
);

CREATE TABLE CONTRACT (
        pharmacy_id int,
        pharma_co_id int,
        start_date date,
        end_date date,
        text varchar (100),
        supervisor varchar (255),
        PRIMARY KEY (pharmacy_id, pharma_co_id),
        FOREIGN KEY (pharmacy_id) references PHARMACY (id),
        FOREIGN KEY (pharma_co_id) references PHARMA_CO (id)
);
```

```sql
CREATE TABLE DOCTOR (
        ssn int,
        name varchar (255),
        speciality (255),
        exp_years int,
        PRIMARY KEY (ssn)
);

CREATE TABLE PATIENT (
        ssn int,
        name varchar (255),
        age int,
        address varchar (100),
        pri_physician int,
        PRIMARY KEY (ssn),
        FOREIGN KEY (pri_physician) references DOCTOR (ssn)
                ON DELETE CASCADE
);

CREATE TABLE PRESCRIPTION (
        patient_ssn int,
        doctor_ssn int,
        pres_date date,
        drug_name varchar (255),
        pharma_co_id int,
        quantity int,
        PRIMARY KEY (patient_ssn, doctor_ssn, drug_name, pharma_co_id),
        FOREIGN KEY (patient_ssn) references PATIENT (ssn),
        Foreign key (doctor_ssn) references DOCTOR (ssn),
        Foreign key (drug_name, pharma_co_id) references DRUG (trade_name, pharma_id)
);
```