

```
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)  
);
```

```
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)  
);
```

```
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)  
);
```

```
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)  
);
```