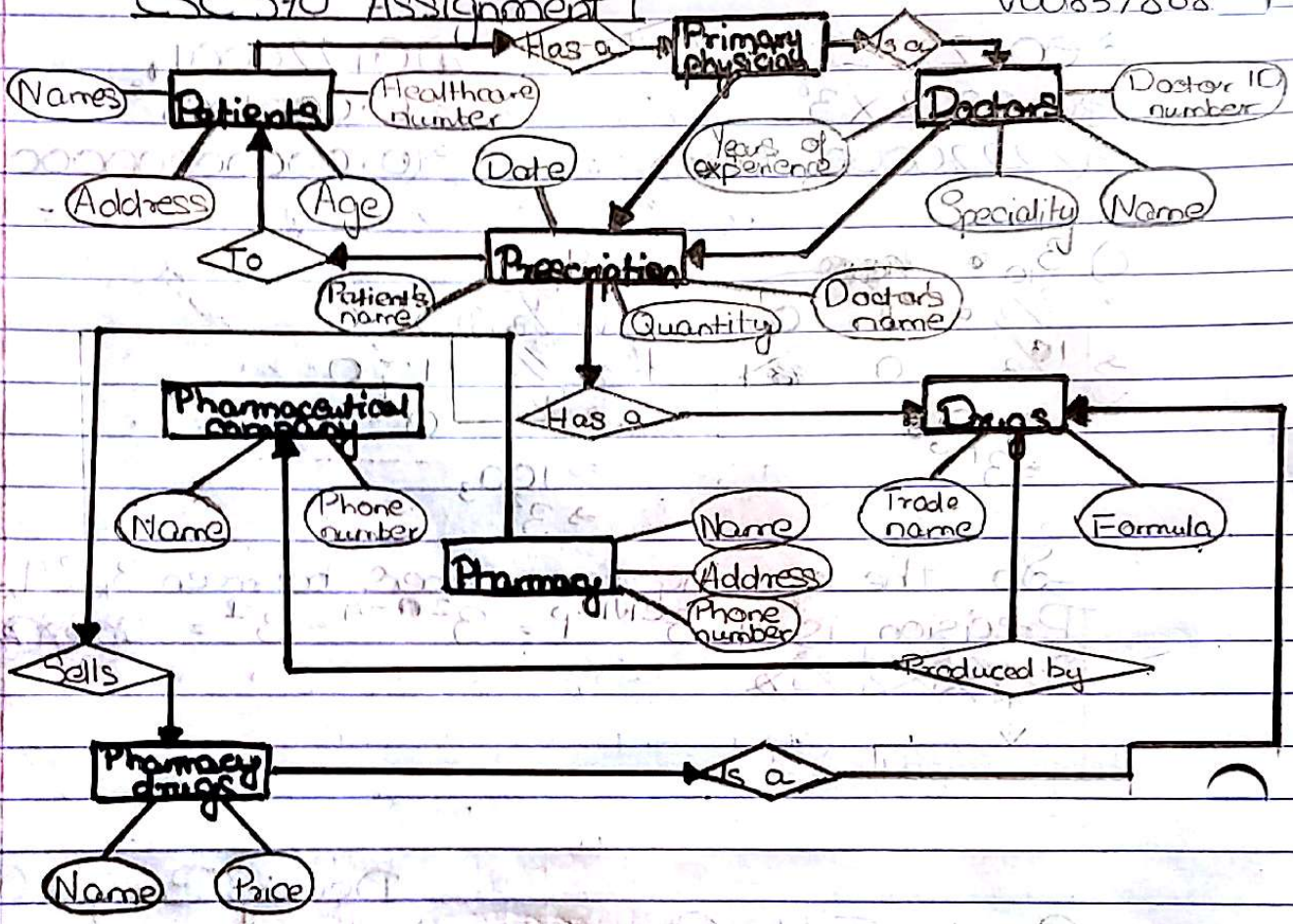
23/1/17

CSC 370 Assignment 1

Devroop Banerjee
V00837868

(Ex1) 1.



2.a)
```
Create Table Patients(
        Name VARCHAR(30),
        Address VARCHAR(50),
        Age INT,
        HealthcareNumber INT, PRIMARY KEY,
);

Create Table Doctors(
        Name VARCHAR(30),
        DoctorIDnumber INT PRIMARY KEY,
        Speciality VARCHAR(20),
        YearsOfExperience INT(2),
);
```

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```
Create Table PharmaceuticalCompany(
        Name VARCHAR(30) PRIMARY KEY,
        PhoneNumber INT,
);

Create Table Drugs(
        TradeName VARCHAR(30) PRIMARY KEY,
        Formula VARCHAR(50),
);

Create Table Pharmacy(
        Name VARCHAR(30),
        Address VARCHAR(50),
        PhoneNumber INT,
);
```

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```
Create Table PharmacyDrugs(
    Price INT,
    Name VARCHAR(30),
    FOREIGN KEY (name) REFERENCES Drugs(TradeName) on
                                        DELETE CASCADE,
);

Create Table Prescription(
    Date VARCHAR(20),
    Quantity INT,
    FOREIGN KEY (HealthcareNumber) REFERENCES Patients(HealthcareNumber) on
                                        DELETE CASCADE,
    FOREIGN KEY (DoctorIDnumber) REFERENCES Doctors(DoctorIDnumber) on
                                        DELETE CASCADE,
    FOREIGN KEY (TradeName) REFERENCES Drugs(TradeName) on
                                        DELETE CASCADE, );
Create Table PrimaryPhysician(
    FOREIGN KEY (DoctorID number) REFERENCES Doctor(DoctorID
                                        Number) on DELETE CASCADE,
);
```

b)

```
Insert Into Patients VALUES('Hawking', 'ABC Someplace Ave.',
                                        80, 123456789);
Insert Into Doctors VALUES('Dr. Strange', 987654321,
                                        'Neuro-Surgeon', 20);
Insert Into PharmaceuticalCompany VALUES('Abstergo', 192837465);
Insert Into Drugs VALUES('Vyvanse', 'AxByCz');
Insert Into Pharmacy VALUES('Heart Pharmacy', '777
                                        Med Pl.', 918273645);
Insert Into PharmacyDrugs VALUES(99.99, 'Vyvanse');
Insert Into Prescription VALUES('20th Apr 97', 30, 123456789,
                                        987654321, 'Vyvanse');
Insert Into PrimaryPhysician VALUES(987654321);
```

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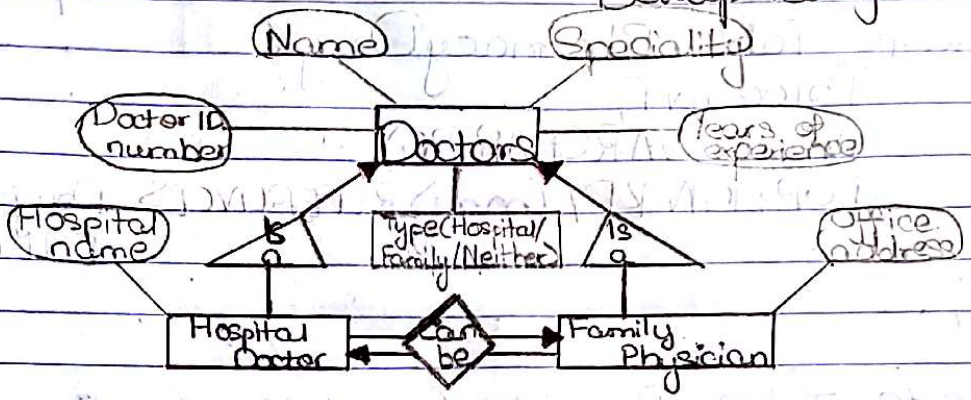
Ex2 i.



2. Create Table Doctors(
Name VARCHAR(30),
DoctorIDnumber INT PRIMARY KEY,
Speciality VARCHAR(50),
YearsOfExperience INT(2),
Type VARCHAR(20),
);

Create Table HospitalDoctors(
HospitalName VARCHAR(30),
FOREIGN KEY (DoctorIDnumber) REFERENCES
Doctors(DoctorIDnumber) on DELETE CASCADE;
);

Create Table FamilyPhysician(
Office Address VARCHAR(50),
FOREIGN KEY(DoctorIDnumber) REFERENCES Doctors(DoctorID number) on DELETE CASCADE;
);

3. Insert Into Doctors VALUES('Dr.Strange', 987654321, 'Neuro-surgeon', 20, 'neither');
Insert Into HospitalDoctors VALUES('Peterson Health Centre', 555555555);
Insert Into FamilyPhysicians VALUES('666 Database Rd!', 666666420);

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