

1. Find the Entity types

Patients(SSN, names, addresses, age)

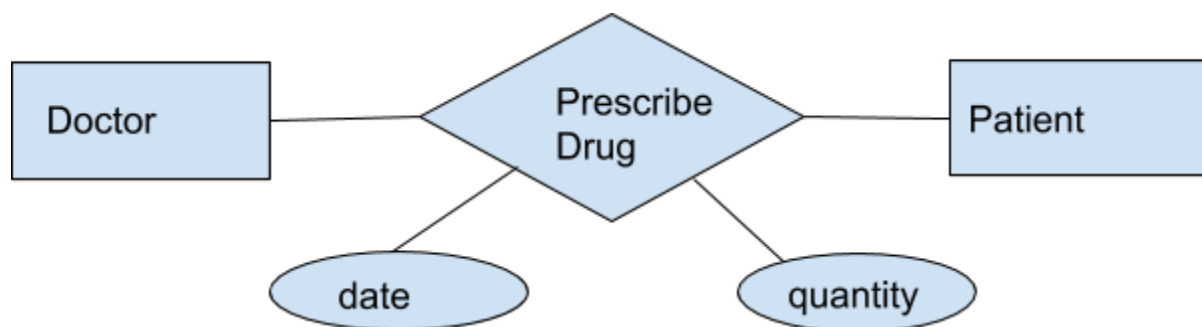
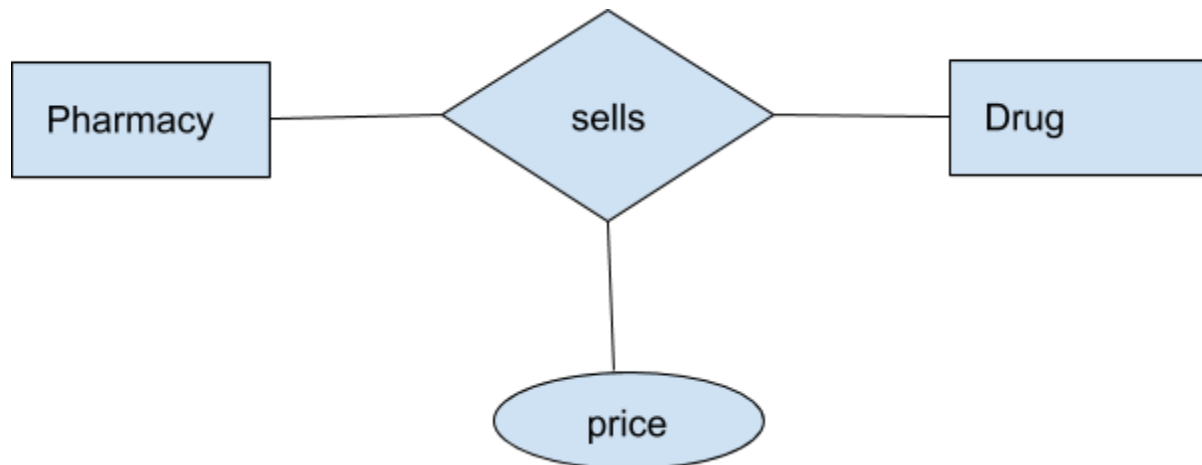
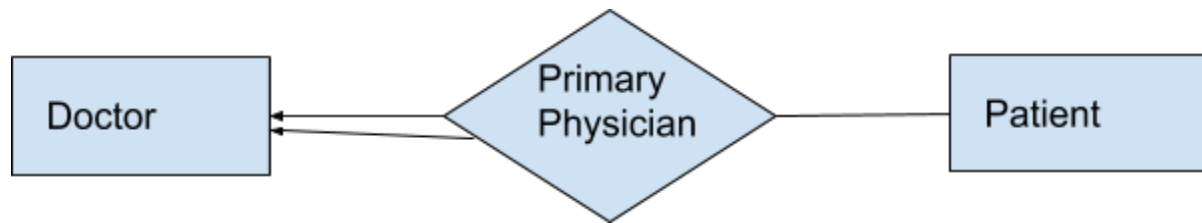
Doctors(SSN, name, experience)

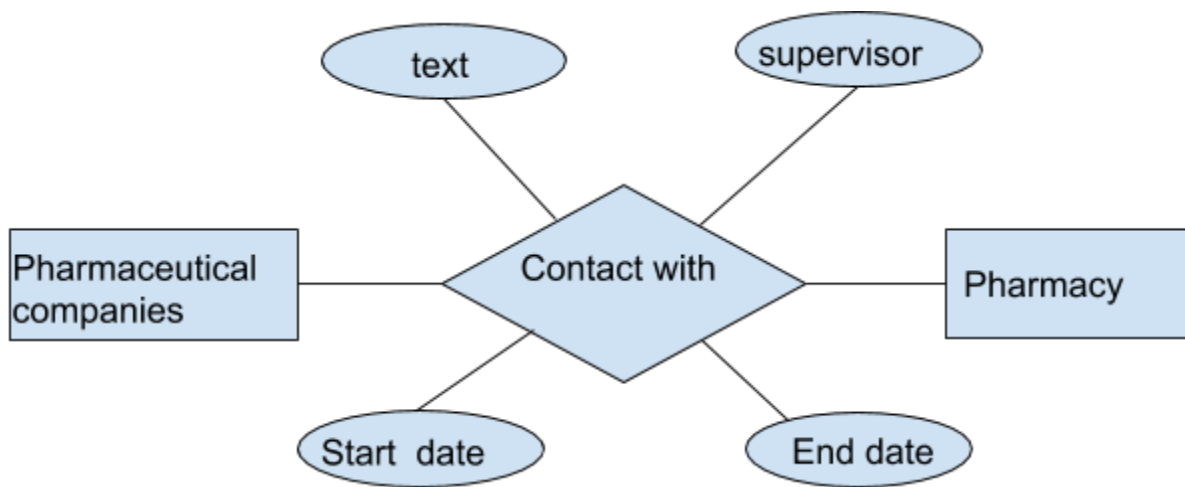
Pharmaceutical company (name , phone number.)

Drug (trade name, formula)

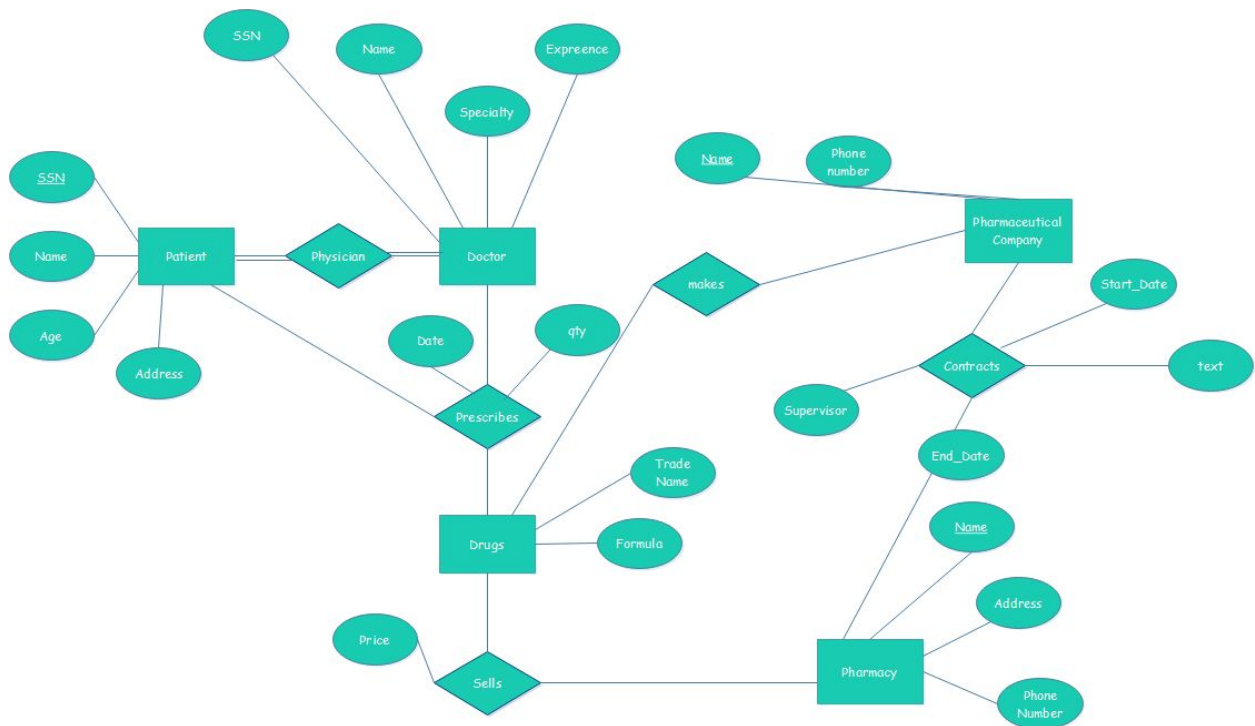
Pharmacy (name, address, phone number)

2. Draw ER diagram to each relationship separately.

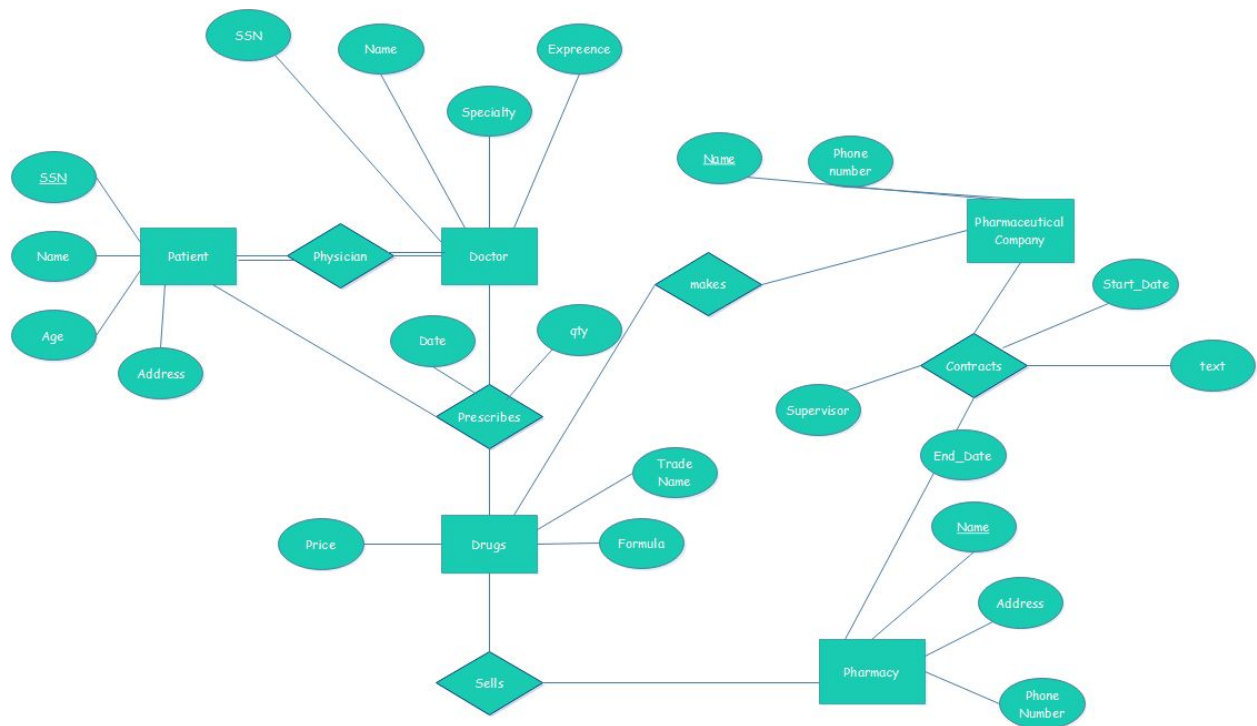




3. Draw a ER diagram that captures the above information.



4. How would your design change if each drug must be sold at a fixed price by all the pharmacies?



5. How would your design change if the design requirements change as follows: If a doctor prescribes the same drug for the same patient more than once, several such prescriptions may have to be stored separately?

