

1. Find the Entity types

Patients (SSN, Name, Address, Age)

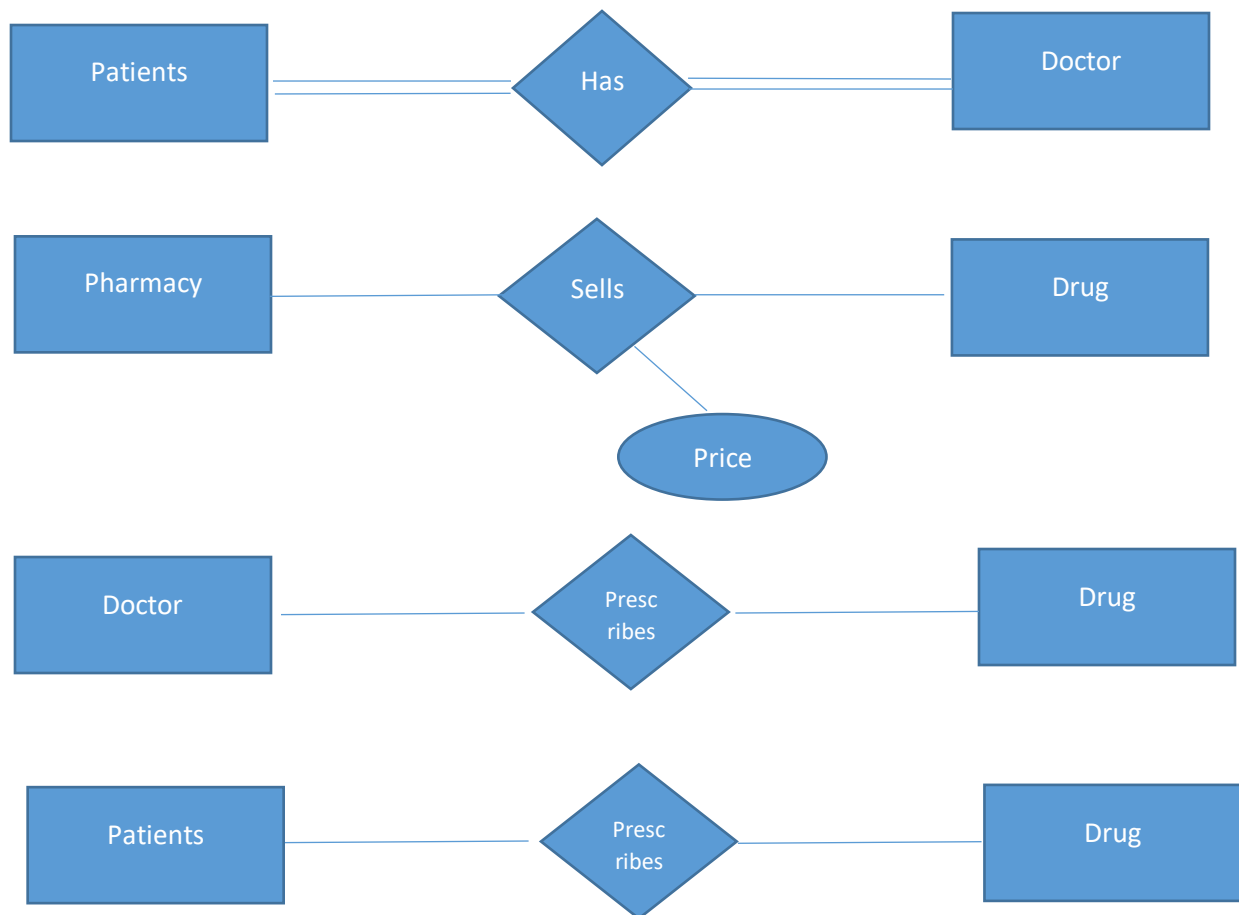
Doctors (SSN, Name, Specialty , Exproence)

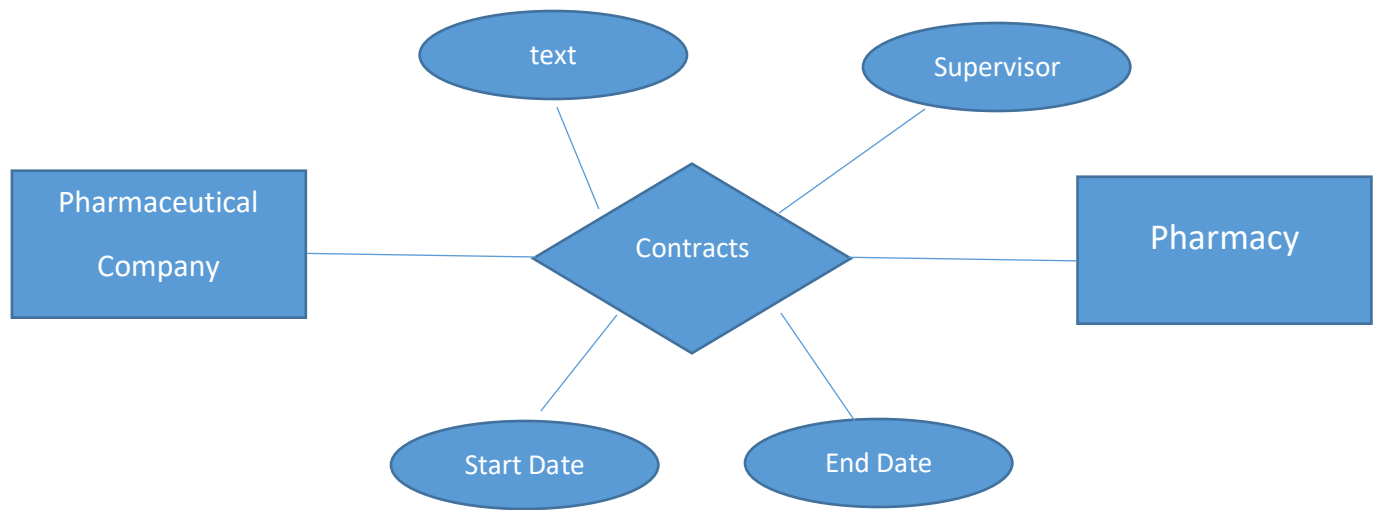
Pharmaceutical Company (Name , Phone Number)

Drug (Trade name, Formula)

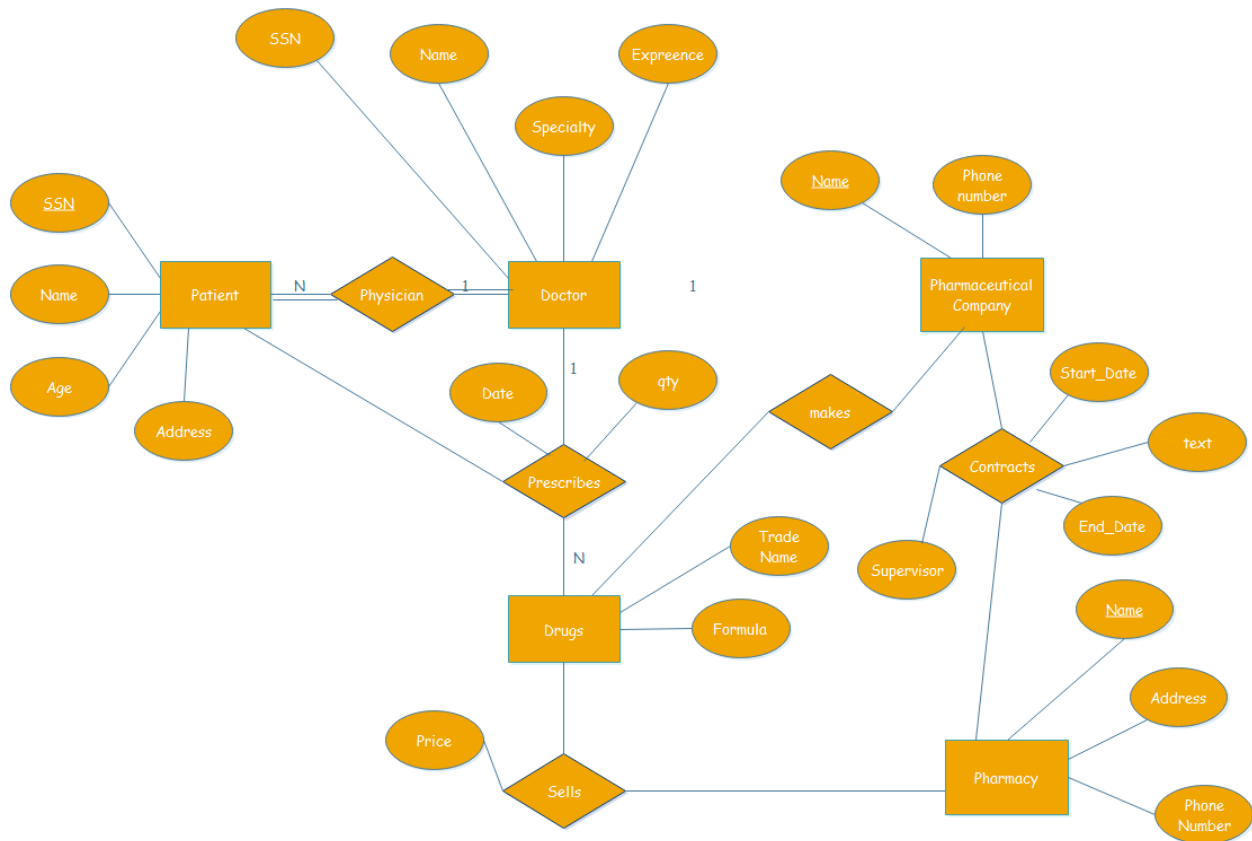
Pharmacy (Name, Address , Phone number)

2. Draw ER diagram to each relationship separately.

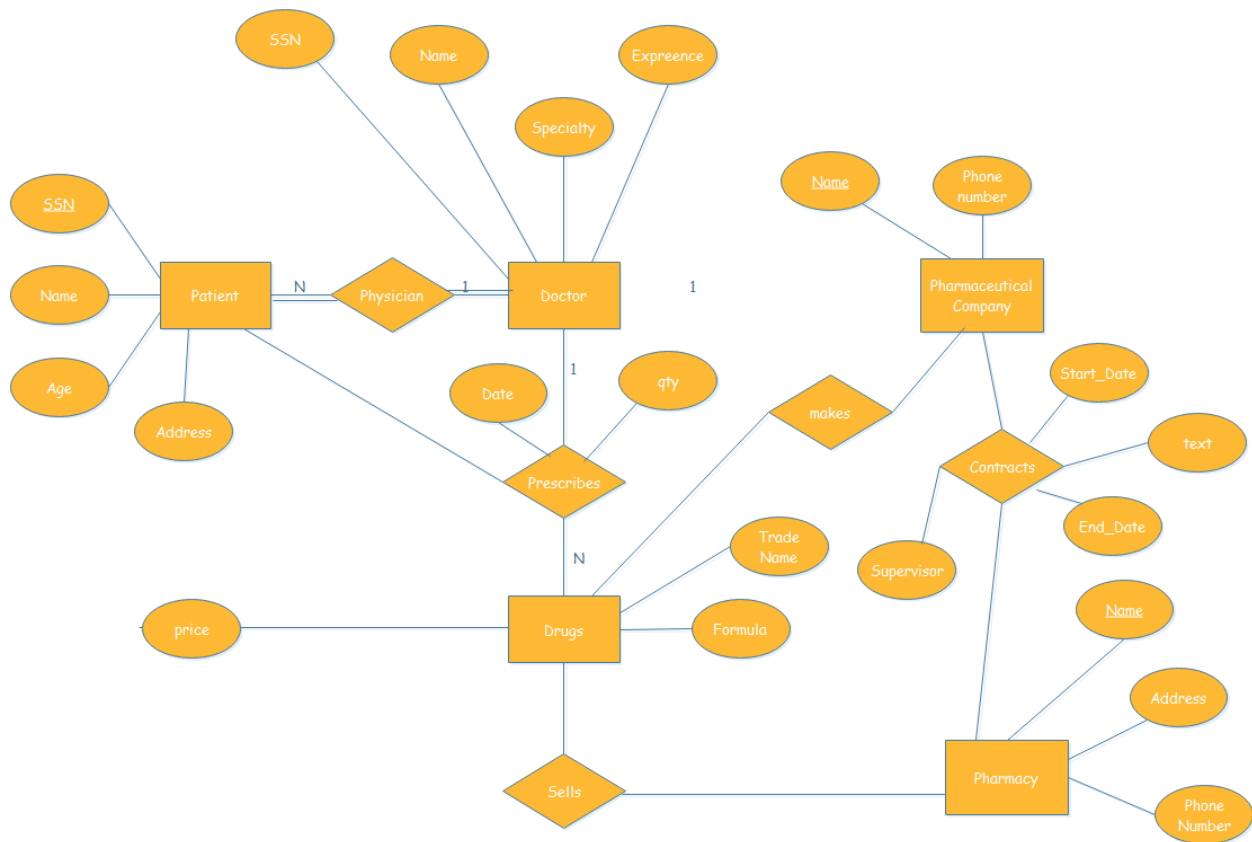




3. Draw a ER diagram that captures the above information.



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?

