

1. Find the Entity types

Patients(patient_name,address,age,SSN)

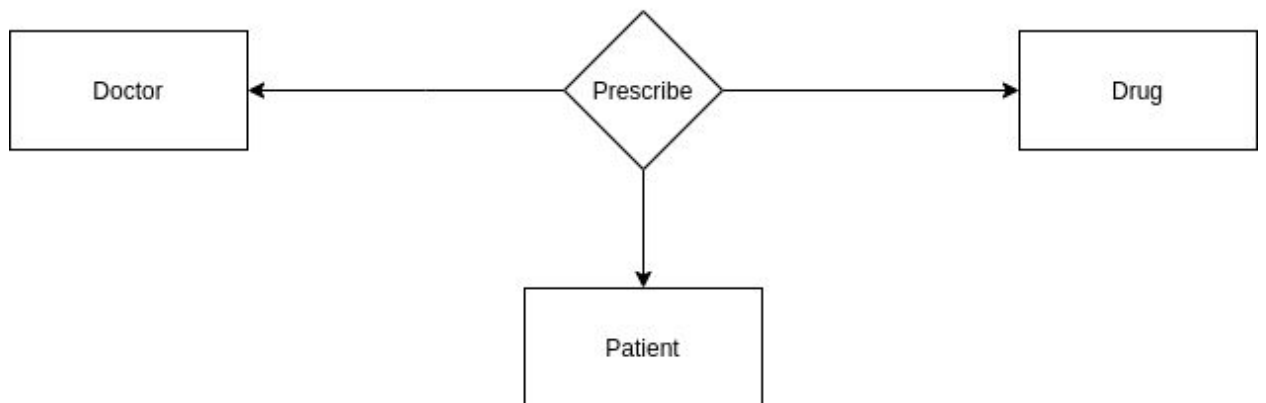
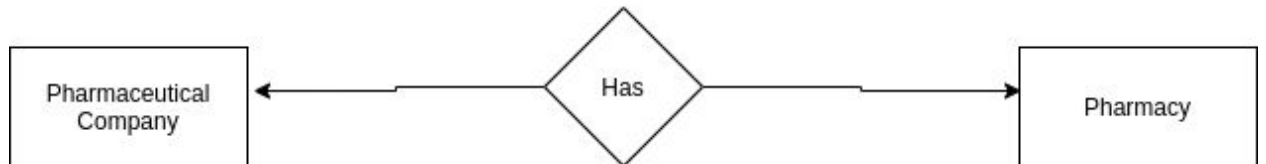
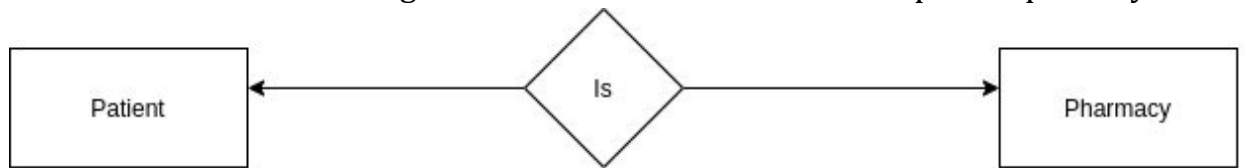
Doctor(doctor_name,speciality and experience,SSN)

pharmacy(pharmacy_name,address,phone_number)

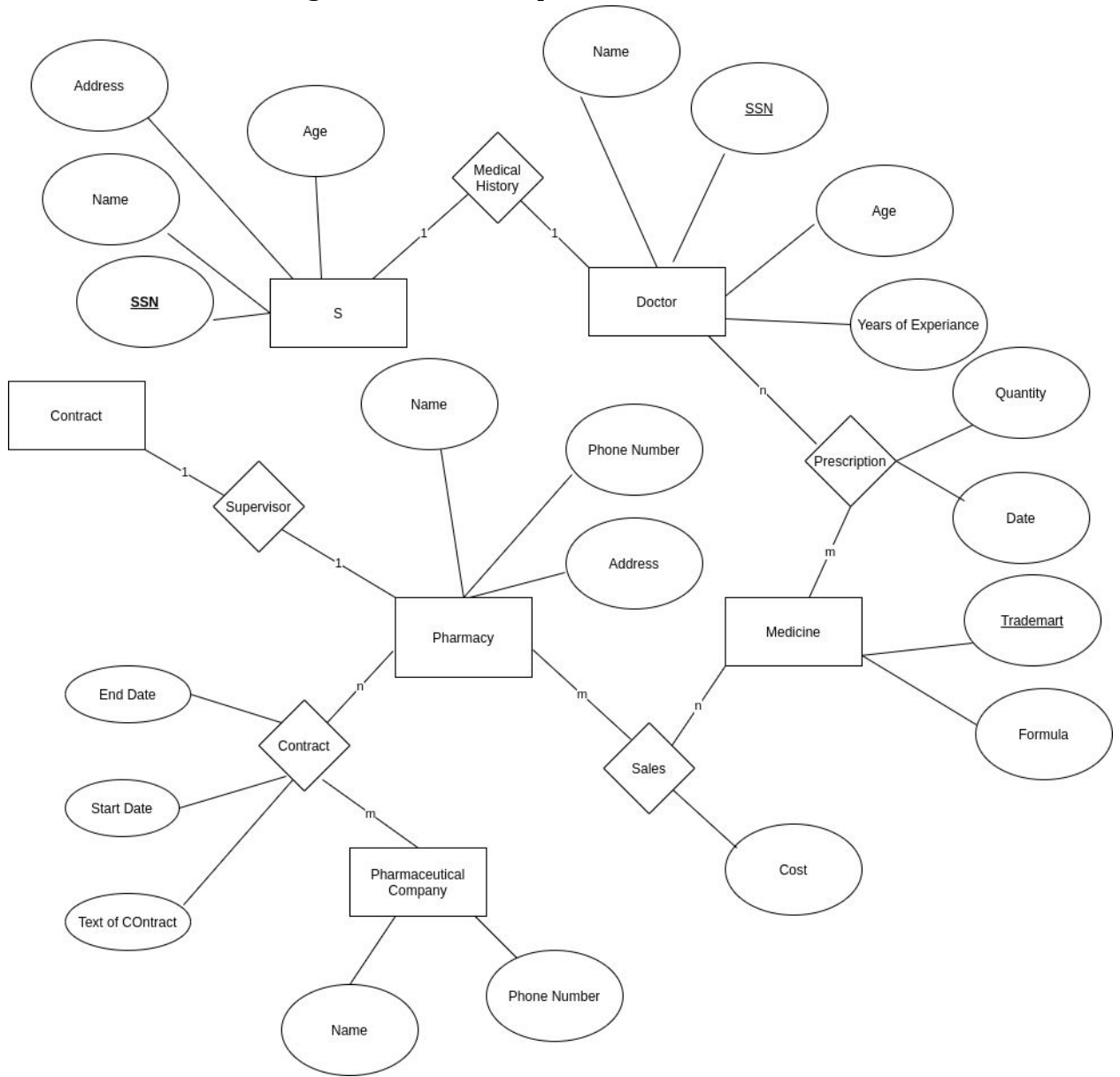
Pharmaceutical_company(name,phone_number)

Drug(drug_name,formula)

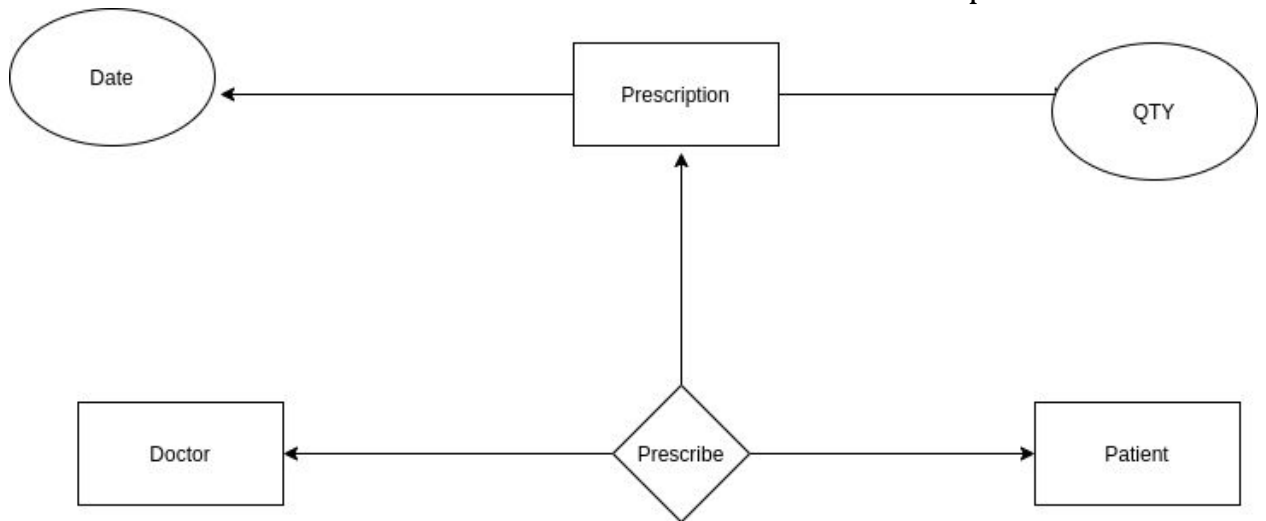
2. Draw the ER diagram to each relationship separately.



3. Draw an 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?

