

Practice - 1

- Construct an E-R diagram for IMDB
- For actors and directors, we want to store their name, a unique identification number, address and birthday (why not age?)
- For actors, we also want to store a photograph
- For films, we want to store the title, year of production and type (thriller, comedy, etc.)
- We want to know who directed and who acted in each film. Every film has one director
- We store the salary of each actor for each film

Practice - 2

- Construct an E-R diagram for a car-insurance company whose customers own one or more cars each.
- Each car has associated with it zero to any number of recorded accidents.
- Accidents are recorded with a date, location, and a report number to uniquely identify an accident.
- Every car has a driver, and for each reported accident, a driver must pay a damage amount.

Practice - 3

- Construct an E-R diagram for a hospital
- There are several doctors.
- A patient can set an appointment with any doctor, for which appointment date must be recorded.
- A doctor may suggest a patient to take a medical test, for which the log must be recorded.
- Now let, we want to record which test is performed by which doctor. What will be the changes in your previous diagram?