

Problem Statement:

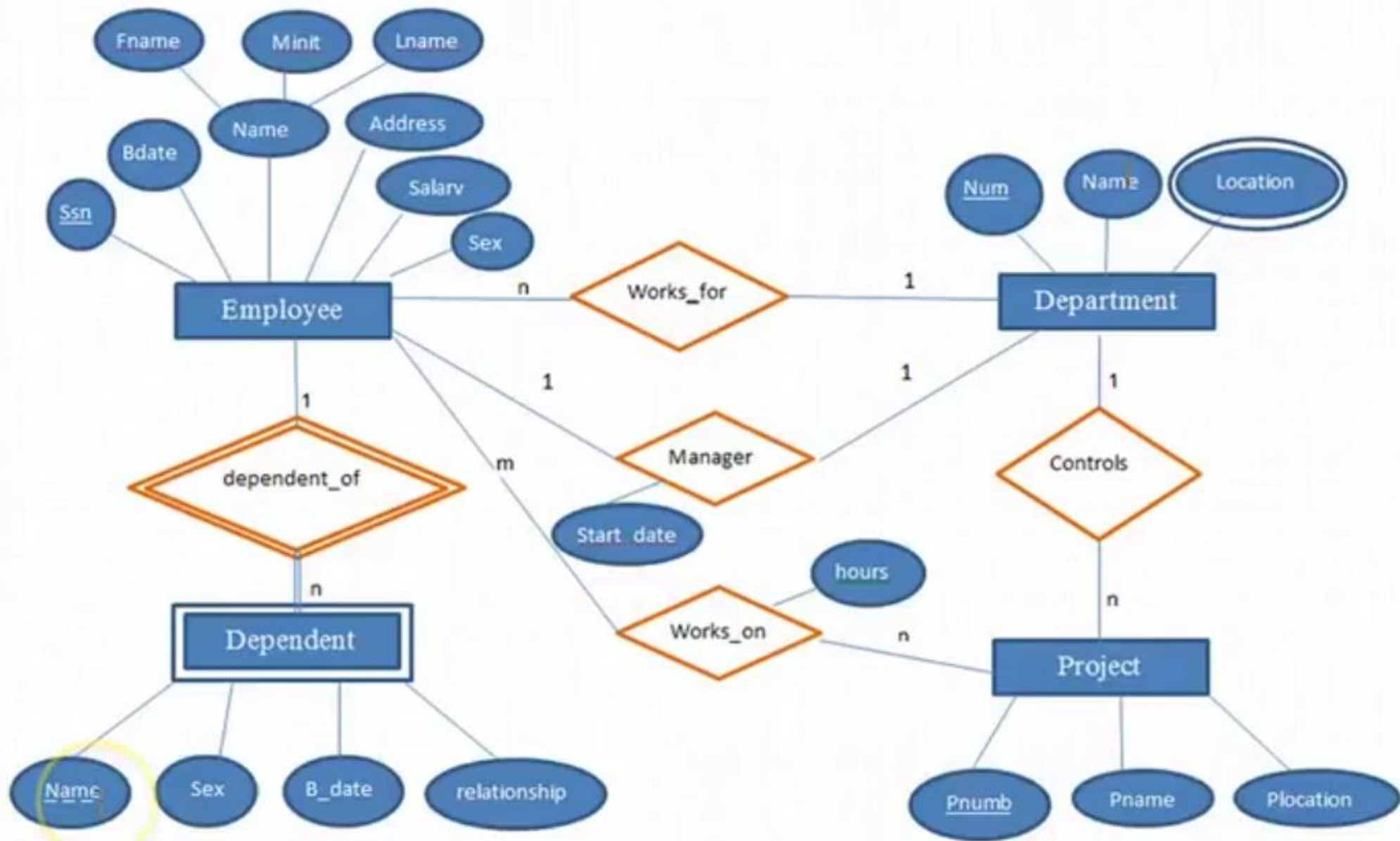
The COMPANY database keeps track of a company's employees, departments, and projects.

- The Company is organized into departments. Each department has a unique name, a unique number, and a particular employee who manages the department. We keep track of the start date when that employee began managing the department. A department may have several locations.

- A department controls a number of projects, each of which has a unique name, a unique number, and a single location.

- We store each employee's name, Social Security number, address, salary, sex (gender) and birth date. An employee is assigned to one department, but may work on several projects, which are not necessarily controlled by the same department. We keep track of the current number of hours per week that an employee works on each project.

- We want to keep track of the dependents of each employee for insurance purposes. We keep each dependent's first name, sex, birth date, and relationship to the employee.



Employee

<u>SSn</u>	<u>Fname</u>	<u>Minit</u>	<u>Lname</u>	<u>Bdate</u>	Address	Sex	Salary	<u>Dno</u>
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Department

<u>Dnumber</u>	<u>dname</u>	<u>Mgrssn</u>	<u>Start_date</u>
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Dept. Location

<u>Dnumber</u>	<u>Location</u>
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PROJECT

<u>Pnumber</u>	<u>Pname</u>	<u>Plocation</u>	<u>Dnumber</u>
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Works on

<u>Essn</u>	<u>Pno</u>	Hours
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Dependent

<u>Essn</u>	<u>dpname</u>	Sex	<u>Bdate</u>	Relationship
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- 2) Construct an E-R diagram for a hospital with a set of patients and a set of medical doctors and Specializations in hospital . Associate with each patient a log of the various tests and examinations conducted

- 1) A faculty has following entities:
 - (a) courses, including code, title, credit hour
 - (b) students, including student-id, name, phone, address, email
 - (c) Doctors, including identification docid, name, department, and title, address, phone, email.
 - (d) departments including code, department name, details
- Construct an E-R diagram for the registrars office. Document all assumptions

