

## Exercise ER diagram.

1. Find out the entity type?

EMPLOYEE(ssn, Bdate, name, address, salary, sex)

DEPARTMENT(name, number, location)

PROJECT(name, number, location)

DEPENDENT(name, sex, Bith\_date, relationship)

2. Find out the relationships.

Employee works\_for department

Employee manages department

Department controls project

Employee depends of dependent

Employee supervision employee

3. Describe the ER diagram in words.

Employee works\_for department

A one employee must work in a department. In a department many employee can work. minimally atleast one employee must work in a department. Employee have ssn , Bdate , salary , address , sex . Employee can identify by ssn.

Department controls project

A department can control many projects. Many employee works on many project depend on hours. Many projects can do by many employee. Department has name , project and number. Department can identify by name and location. Project is identify by name and number

Employee manages department.

One employee can manage maximumly one department. A department can manage one employee. Department get details for number of employee from location .every employee identify by ssn. every employee have one or more location. Department is identify by name and number.

Employee supervision employee

employee is supervisor by an employee. Employee is supervisor by an employee. One employee can supervisor the many employee. Many employee are supervisee by a one employee.

Employee depends of dependent.

Dependent have name , sex , birth\_date , relationship.

Dependent can identify by name.

A employee depend of many dependent but one or more depend can depends of one employee. Dependent can't identify by uniquely.