

1.Find out the entity type

Employee(name,salary,sex,dob,ssn,address,bdate)

Department(name, number,location,number of employee)

Project(name,number,location)

Dependent (name, sex,DOB, relationship)

2.Find out the relationships

Employee works for department one to many relationship.

Employee works on project many to many relationship.

Employee manages department one to one relationship.

Department control project many to one relationship.

Employee supervision one to many relationship.

3.Describe the ER Diagram in words

(01) employee works for department:

Employee has name,salary,sex,address,bdate,ssn..employee describe ssn key..

Department has name, number,number of employee and location. We can get onNumber of employee in driven from number and location. Name and location describe department..so department is a weak entity.

One employee must work for one department. And max one department has one employee.

One Department has many employee.

(02)Employee works on project:

Employee has name,salary,sex,address,bdate,ssn..employee describe ssn key..

Project has location,name and number. Name and location are describe project..so project is a weak entity.

All employee work on many project depend on hours.and all project can do all employee.

(03)Employee manages department :

Employee has name,salary,sex,address,bdate,ssn..employee describe ssn key..

Department has name, number and location. Name and location describe department..so department is a weak entity.

One department can mange one employee. And one employee mange one department.

(04)Department control project

Department has name, number and location. Name and location describe department..so department is a weak entity.

Project has location, name and number. Name and location are describe project..so project is a weak entity.

One department has many project and must one project has one department.

(05)Employee supervision:

One employee can supervisor the many employee. Many employees are supervisee by a one employee.