



## 1. Find out the entity type

Employee-(Ssn,Bdate,Name,Address,Sex,Salary,Lname,Minit,Fname )

Department-(Name,Number,Location,Number\_of\_Employees)

Project-(Name,Number,Location)

Dependent-(Name,Sex,Birth\_day,Relationship)

Project-(Name,Number,Location)

## 2. Find out the relationships

Employee dependents\_of Dependent- 1:m

Employee works\_on Project- M:N

Employee manages Dependent- 1:1

Employee works\_for Dependent-N:1

3. Describe the ER Diagram in words

Employee has

(Ssn, Bdate, Name, Address, Sex, Salary, Lname, Minit, Fname ),

Employee works\_for Dependent and Dependent has

(Name, Number, Location, Number\_of\_Employees) this is many to one relationships. And Employee manages Dependent this is one to one relationship.

Employee works\_on Project has

Project-(Name, Number, Location) this is many to many relationship.

Employee dependents\_of Dependent and dependents has

Dependent-(Name, Sex, Birth\_day, Relationship)

this is one to many relationship.