



1..Find out the entity type

- ❖ Employee
- ❖ Dependent
- ❖ Project
- ❖ Department

2..Find out the relationships

- ❖ Employee work for department -one to many
- ❖ Employee manages department -one to one
- ❖ Employee work on project - many to many
- ❖ Employee supervise employ -one to many
- ❖ Employee depends of department -one to many
- ❖ Department controls project -one to many

3.Describe the ER Diagram in words

- ❖ Employee have Attributes are SAN ,bdate , Fname, Minit ,lname , name ,address, sallery ,sex
- ❖ employ work for department (its one to many relationships) , employ manges department (its one to one relationships), employ is work on project (its many to many relationships), employ supervise employ (its one to many relationships) and employee depends of dependent (its one to many relationships)
- ❖ Department attribute are location (its multivalued attribute) , number (its key attribute) , name (its key attribute) and number of employ attribute is derived attribute
- ❖ Department controls project is one to many relationships
- ❖ Project have attributes are location , number (its key attribute) , name (its key attribute)
- ❖ Dependent attribute have Name (its key attribute) , Sex , Birth_date and Relationship
- ❖ Dependent class is an a weak entity class \
- ❖ Depends of relationship type is identify relationship