



1. Find out the entity type

Employee (Fname , Bdate , Minit , Address , Hours , Name , Salary , Lname , Sex , Sno ) - Strong Entity

Department - ( Number , Name , Locations , Number\_of\_employees )

Project- ( Name , Number , Location )

Department - (Sex , Birth\_date , Relationship , Name )

2. Find out the relationships

Works\_For

Manages

Works\_On

Depends\_of

Supervision

### 3. Describe the ER Diagram in words

#### 1. Works\_For

Many EMPLOYEE works on a Department , Department has many EMPLOYEE

#### 2. Manages

One EMPLOYEE can Manages one department. One Department Manages by one EMPLOYEE

#### 3. Works\_On

Many EMPLOYEE works on many Projects , Many Projects have many EMPLOYEE

#### 4. Dependents\_of

One EMPLOYEE dependents of many Department , many Departments in one EMPLOYEE

#### 5. Supervision

One EMPLOYEE supervised by many EMPLOYEE , many employees are supervised by one employee