



1. Find out the entity type

- EMPLOYEE.(Ssn,Bdate,Name,Address,Salary,Sex)
- DEPARTMENT(Name,Number,Locations)
- PROJECT(Name,Number,Location)
- DEPENDENT "Week Entity" (Name,Sex,Birth\_date,Relationship)

2. Find out the relationships

- DEPENDENT\_OF.."Week Relationships"
- SUPERVISION
- WORKS\_ON
- CONTROLS

- WORKS\_FOR
- MANAGES

### 3. Describe the ER Diagram in words

This is diagram of department, into 4 entity added.

first DEPARTMENT then PROJECT then EMPLOYEE and one Week entity DEPENDENT, first a fol DEPARTMENT add to 2 Attributes "Name" and "Number" then this entity add the Multivalued attributes to "locations" .. same entity add one Derived attributes on "Number\_Of\_employees"

Second entity has EMPLOYEE, This is entity add 6 Attributes.. Bdate, Name, Ssn, Address, Salary, Sex... same entity one attributes Name have divided the 3 composite attributes Fname, Minit, Lname...

#### 1) EMPLOYEE

Employee work for department one to many... employee manages department one to one ...

Employee supervision employee one to many... department controls project one to many...employee works\_on project many to many.... Employee dependents dependent one to many