1. Find out the entity type

- {storng entity} Employee (Bdate, Name, Ssn, Sex, Salary, Address)
- {storng entity} Department(Name, Location, Number)
- {storng entity} Project(Location, Name, Number)
- {week entity} Dependent(Name, ,Sex, Birth_date, Relationship)

2. Find out the relationships

- Employee Works for Department   many - one   {part participation relationship}
- Department Manages Employee   one - one   {Total participation elationship}
- Department Controls Project   one - one   {Total participation elationship}
- Project Control Department   many - one   {part participation relationship}
- Employee Works_on Project   one - one   {Total participation relationship}
- The project to Employee   one - many   {part participation relationship}
- Employee Dependents_of Dependent one -one   {Total participation relationship}
- Dependent to Employee   many -one {part participation relationship}

3.Describe the ER Diagram in words

There are four Entities in this diagram. EMPLOYEE Entity have 6 attributes.They are Ssn,Bdate,Name,Address,Salary,Sex.Ssn is a primary key for this entity.Fname,Minit and Lname are composite attributes of Name attribute.EMPLOYEE Entity have two full participations of DEPARTMENT Entity and PROJECT Entity and two partial participation of DEPARTMENT entity and EMPLOYEE Entity.Name,Number,Locations,Number_of_employees are attributes of DEPARTMENT Entity.Name and Number are primary keys of DEPARTMENT Entity.Locations is a multi value attribute of this Entity.Number_of_employees is a descriptive attribute of this entity.DEPARTMENT Entity has a full participation of EMPLOYEE Attribute and a partial participation of a PROJECT Entity.Name, Number,Location are Attributes of PROJECT Entity.Name and Number are primary keys of PROJECT Entity.PROJECT ENTITY has a full participation of DEPARTMENT Entity and a full participation of EMPLOYEE Entity.Name,Sex,Birth_Date,Relationship are attributes of DEPENDENT Entity.DEPENDENT Entityhas a full participation of EMPLOYEE Entity.