1. Find out the entity type.
   - Employee - Strong Entity
   - Department - Strong Entity
   - Project - Strong Entity
   - Dependent - Weak entity

2. Find out the relationships
   - Works for
   - Manages
   - Controls
   - Works On
   - Dependents of - Identifying Relationship
   - Supervision

3. Describe the ER Diagram in words

    1.One to Many

        Many employees work for one department

        All departments have employees.

        Department has 4 Attribute

        Name & Number are unique data to identify a department

        Locations: This will have different other data.

        A department can have different locations.

        No.of employees: This data will be taken from Employee data

        The employee has 6 Attributes-Name further has fname, mname, lname.

        Address, Salary, Sex, Bdate.

        Ssn is specific data to identify a student.

    2.One To One

        Employee manages a department

        All departments will be managed by employees. (one department will be managed by an

        employee)

        It also has data on when the employee started working in that department.

    3. Many to Many

        An employee works on Project

        More than 2 employees can work on projects.

        The employee's project is based on an hour count.

        The project has 3 Attributes-Name & Number are specific data that unifies the project.

        The project has different locations.

    4.One to Many

        A department controls many projects

        All projects will be controlled by the department.

    5.One to Many

        Employee dependents of many dependent

        Dependent has 4 attributes-Name, Sex, Birth_date & Relationship are no specific data to

        Differentiate.

    6.One to Many

        An Employee supervise many employees

        The higher-level employee of an organization can supervise the lower level employees using his

        position.