1. Find out the entity type

        EMPLOYEE-(Bdate,Name,Address,Salary,Sex,Ssn)-Strong Entity

        DEPARTMENT-(Name, Location, Number,Number_of_employees)-Strong Entity

        PROJECT-(Name,Number,Location)-Strong Entity

        DEPENTENT-(Name,Sex,Birth_date,Relationship)-Weak Entity

2. Find out the relationships

        WORKS_FOR

        MANAGES

        CONTROLS

        SUPERVISION

        DEPENDENTS_OF

3.Describe the ER Diagram in words

        One employee can work for one department but one department have many
employee

        EMPLOYEE : DEPARTMENT => M : 1

        One employee works on many projects and one project have many employee

        EMPLOYEE : PROJECT => M : N

        One department controls many project but projects control by one department

        DEPARTMENT : PROJECT => 1 : M

        Employee supervise a Employee but superviser supervise by many employee

        Supervisor : Employee => 1 : M

        Employee dependent of a department but a department has many employee

        EMPLOYEE : DEPENDENT => 1 : M