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OSN - IRV 20 MC 015

program - 4

* The company is organized into departments. each department has a unique name, a unique number and a particular employee who manages the department. We keep track of the start date when that employee began managing the department. A department may have several locations. A department controls a number of projects, each of ~~name~~ which has a unique name, a unique number and a single location. We store each employee's name, a unique number and a single location. We store each employee's name, social security number, address, salary, sex (gender) and birth data. An employee is assigned to one department but may work on several projects which are not necessarily controlled by the same department. We keep track of the current number of hours per week that an employee works on each project. We also track of the direct supervisor of each employee (who is another employee). We want to keep track of the dependents of each employee for insurance purposes. We keep each ~~depend~~ dependents first name, sex, birth date and relationship to the employee.

consider a scenario on employee management database and perform the following.

- * Identify the document type and key
- * Identify embedded / referenced documents.
- * create the collection and relevant documents with required key value pairs.
- * Design the solution for the following.

- ① Insert minimum 5 employee records.
- ② sort the employee list by SSN.
- ③ list the employee who draws the working in the finance department.
- ④ Find the employee who draw the maximum salary
- ⑤ update the record of the employee who has worked on maximum project as "employee of the year".
- ⑥ Delete employee records who have minimum experience.

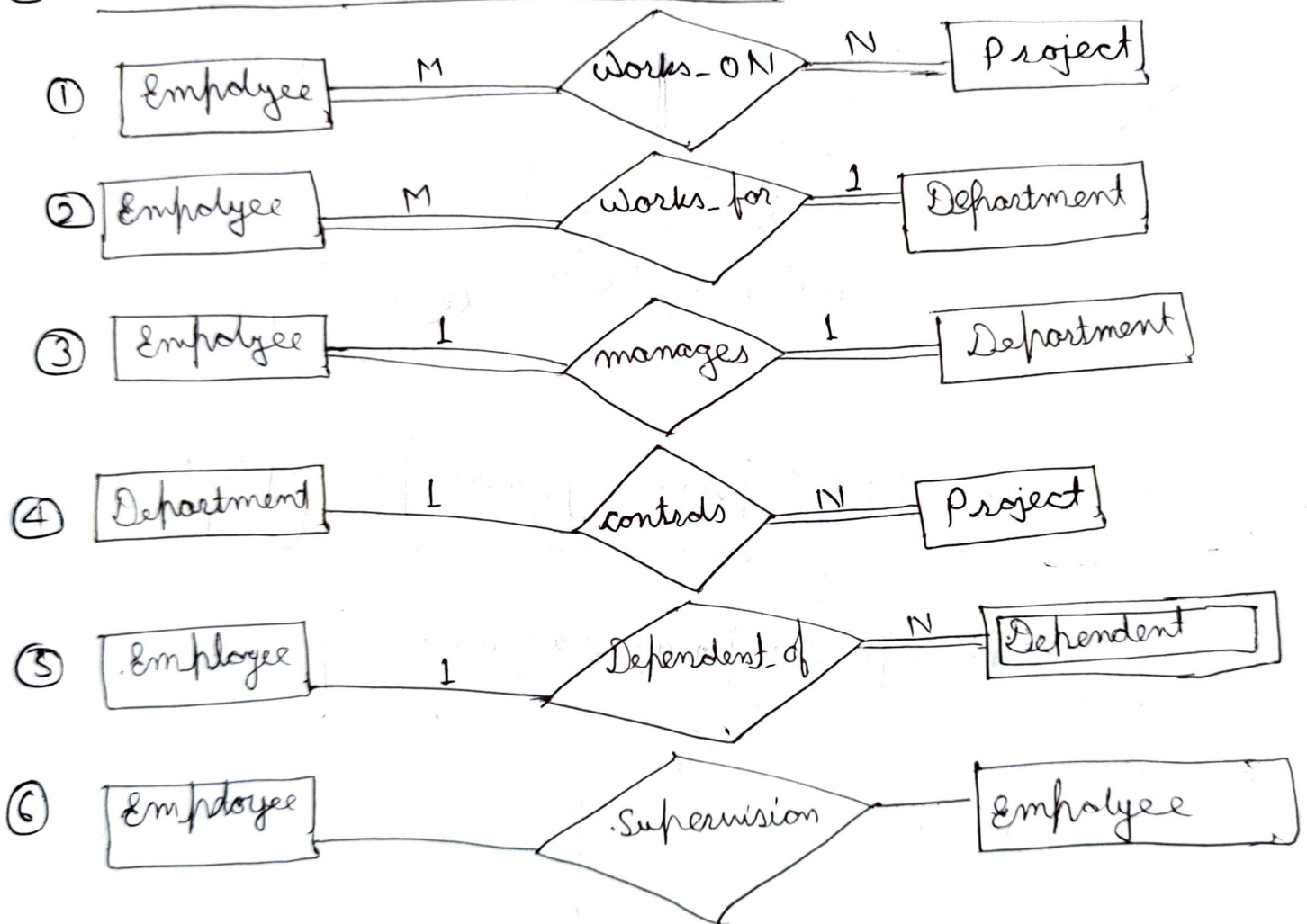
① Entity are:-

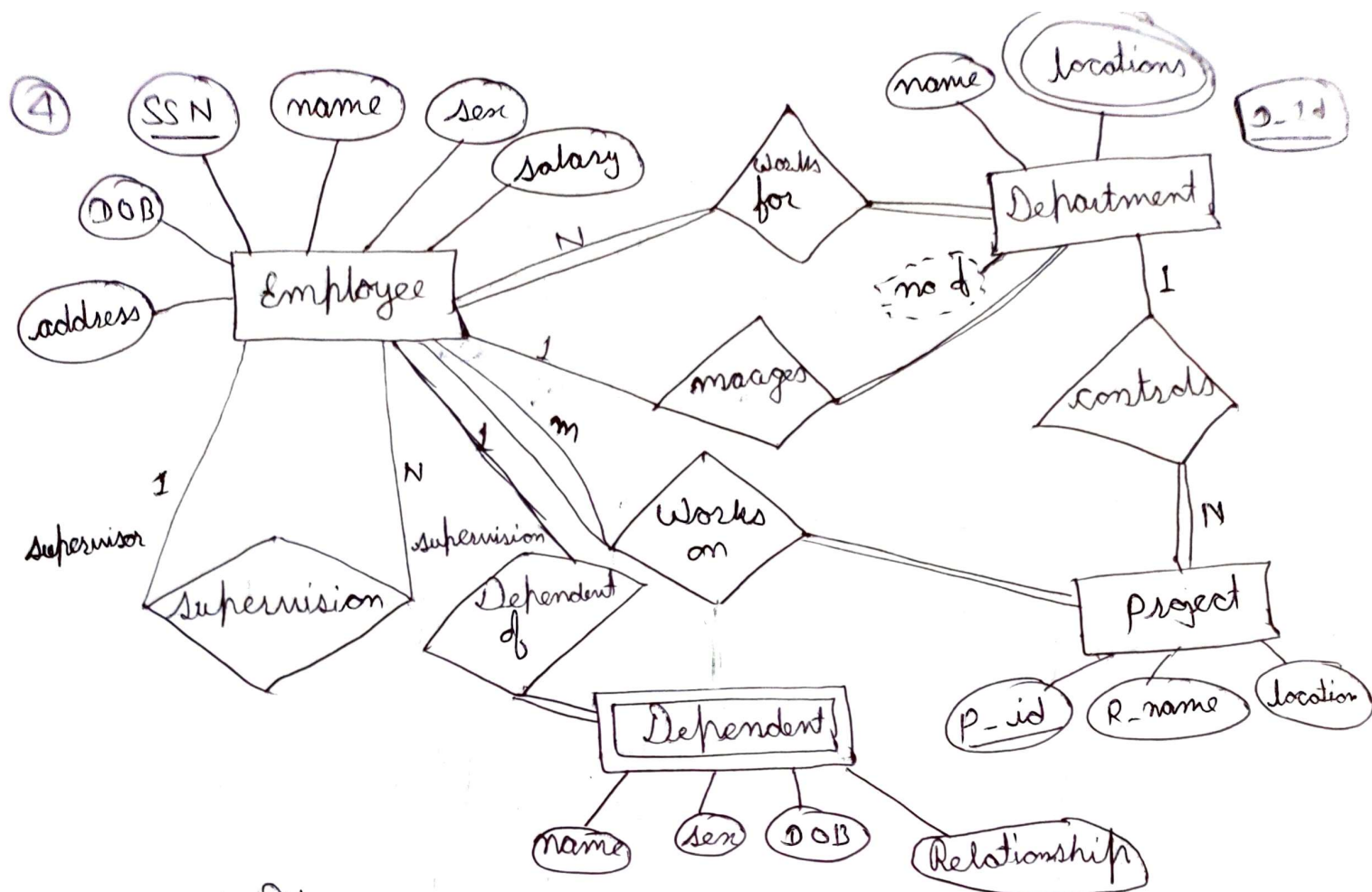
- ① employee
- ② Department
- ③ Project
- ④ Department

② Attribute are :-

- ① employee \rightarrow name, SSN, DOB, sex, salary, address.
- ② Department \rightarrow number, name, location, ~~sex~~ manager, manager-start-date.
- ③ Project \rightarrow P-number, name, location, Department
- ④ Dependent \rightarrow name, sex, DOB, relationship.

③ Relationships and cardinality :-





⑤ Schema Diagram :

