Преобразуване от E/R към релационен модел на данни
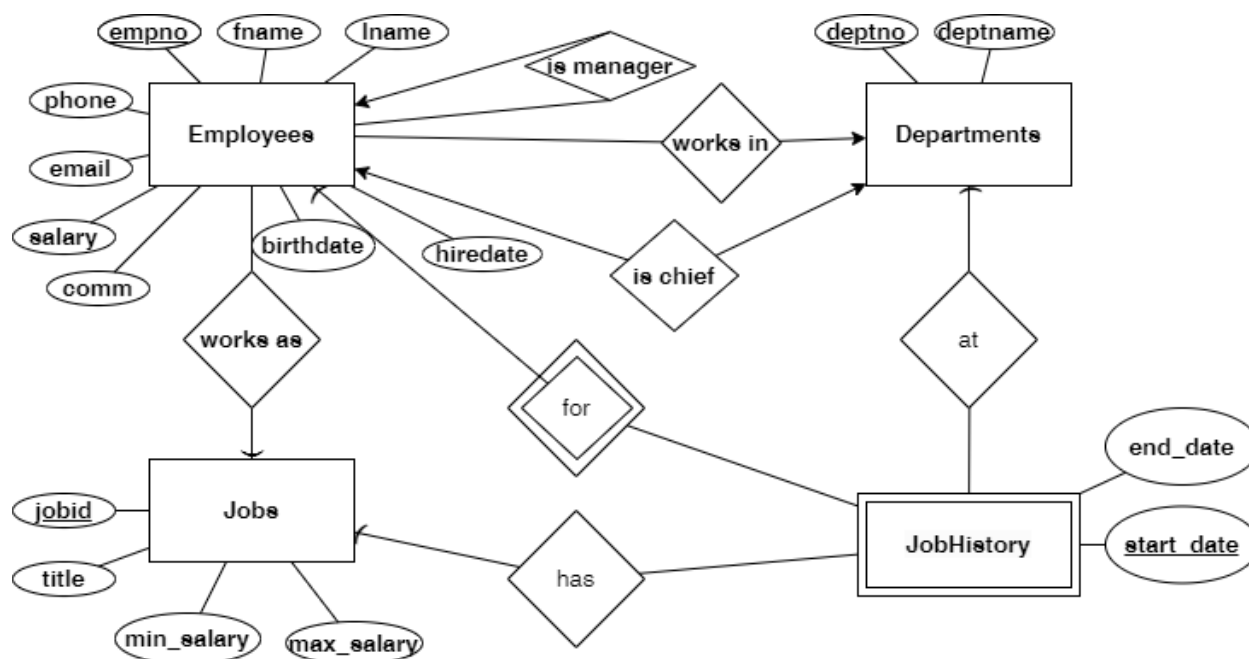

Схема на базата от данни (в релационен модел):

Employees (<u>empno</u>, fname, lname, birthdate, hiredate, phone, email, salary, comm, jobid, deptno, mgrno)

Departments (<u>deptno</u>, deptname, empno_mgr)

Jobs (<u>jobid</u>, title, min_salary, max_salary)

JobHistory (<u>empno</u>, <u>start_date</u>, end_date, jobid, deptno)

~~WorksAs (empno, jobid) X~~

~~WorksIn (empno, deptno) X~~

~~IsManager (empno, mgrno) X~~

~~IsChief (empno, deptno) X~~

~~At (deptno, empno, start_date) X~~

~~Has (jobid, empno, start_date) X~~

Ограничения:

Primary key

Employees: PK (empno)

Departments: PK (deptno)

Jobs: PK(jobid)

JobHistory (empno, start_date)

Employees: FK(jobid) -> Jobs (jobid)

Employees: FK(deptno) -> Departments (deptno)

Employees: FK(mgrno) -> Employees(empno)

Departments: FK(empno_mgr) -> Employees(empno)

JobHistory: FK(empno) -> Employees(empno)

JobHistory: FK(deptno) -> Departments (deptno)

JobHistory: FK(jobid) -> Jobs (jobid)

Check

Employees: CK (email - @ .)

Employees: CK (salary > 0)

Employees: CK (comm between 1 and 100)

Jobs: CK (min_salary < max_salary and min_salary > 0)