



## Assumptions

- One lecturer can be head of only one department at a time
- Department has only one head
- A department definitely has a head
- A department has at least one lecturer and a lecturer definitely belong to one department only
- A course offering can be taught by several lecturers
- A course offering definitely has a lecturer
- A student can have only one advisor and definitely has an advisor
- A lecturer can have no students to advise
- Lecturers ID is unique
- A student definitely has one department
- A department has at least one student
- There can be courses where no students are enrolled and there can be students who are not enrolled to any course
- Course offerings are weak entities that depend on the entity course
- Department handles at least one course
- A single course cannot be handled by multiple departments and a course offered should definitely has a department
- There can be several offerings of the same course but only one offering per year. So year can be used as a weak key