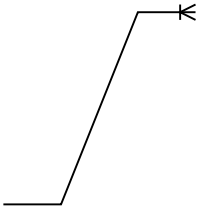
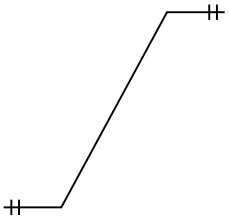
Cardinality between the entities (tables), relationship between one entity and another - that have some **obvious** conection to one another

one to many; 1:M



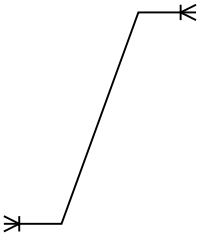
A

one to one; 1:1

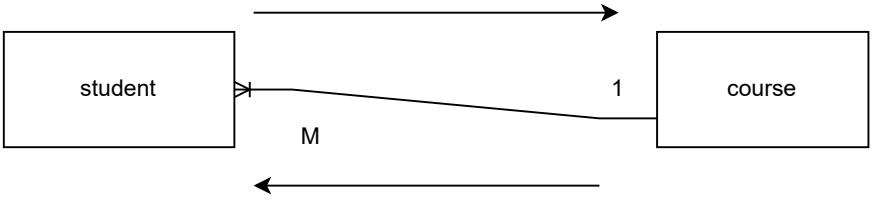


B

many to many; M:M

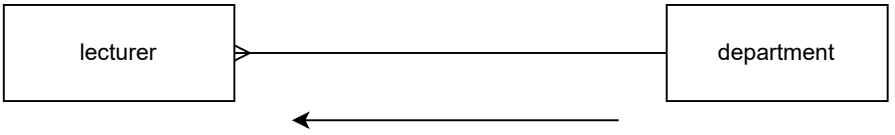


C



Real Situation: We are able to enrol a number of students into a single (and only a single course) at any one point in time, for a course to run we need a number of students to enrol in it. e.g. rougly say 15 at a minimum to run the course.

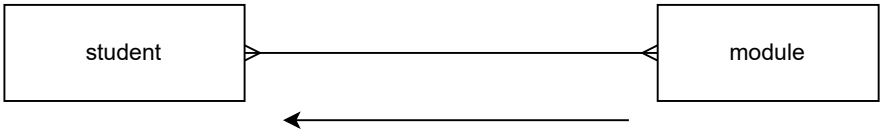
Each lecturer can ONLY be under 1 department (i.e. dept they first got employed with



Each department would have MANY lecturers

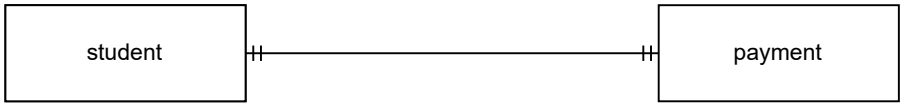
Real Situation: A particular lecturer is employed by a department in the college. We have roughly 20 lecturers in the computing department. RM is employed by both computing dept and also by the sports dept.
rule: you are under thec department you first gained employment with

Each student needs MANY modules



Each module needs to have MANY

Real Situation: A minimum number of students need to enrol for a module to run...roughly 10 students. Each full time student will need to enrol in a minimum 6 modules



Real Situation: Each situation make 1 specific payment, and that single payment is for that 1 particular student