Join



Fig. Inner Join

**Inner Join without condition**

select dept\_name,budget,room\_number, capacity from department inner join classroom;

**Inner join with condition**

select dept\_name,budget,room\_number,capacity from department inner join classroom on department.building =classroom.building;

**All tables record view**

select \* from classroom;

select \* from course;

select \* from department;

select \* from instructor;

select \* from section;

select \* from teaches;



Left Join/Left Outer Join

select instructor.ID, instructor.name, department.building from instructor left join department on instructor.dept\_name=department.dept\_name;

select classroom.room\_number, department.dept\_name from classroom left join department on classroom.building=department.building;

Right join/Right Outer join



select teaches.course\_id, teaches.sec\_id,instructor.name from teaches right join instructor on teaches.ID=instructor.ID;

select department.building, department.budget, instructor.ID, instructor.name from department right join instructor on department.dept\_name=instructor.dept\_name;

**Full Join**



select \* from department left join course on department.dept\_name=course.dept\_name union select \* from department right join course on department.dept\_name=course.dept\_name;

Natural Join

select dept\_name,budget,room\_number,capacity from department natural join classroom;