SELECT employees.employee\_id, employees.last\_name, employees.department\_id, departments.department\_id, departments.location\_id

FROM employees, departments where employees.department\_id=departments.department\_id;

select employee\_id,last\_name,first\_name,hire\_date,salary,e.department\_id,

department\_name,d.location\_id,street\_address,city,state\_province,country\_id

from employees e,departments d,locations l

where e.department\_id=d.department\_id and l.location\_id=d.location\_id and

department\_name like '%ing%'

SELECT e.employee\_id, e.last\_name, e.department\_id, d.department\_id, d.location\_id

FROM employees e, departments d where e.department\_id=d.department\_id

create table job\_grades (grade char(10), lowest\_sal number(10), highest\_sal number(10));

Insert values in it

Non Equi Join

SELECT e.last\_name, e.salary, j.grade

FROM employees e, job\_grades j WHERE e.salary between j.lowest\_sal and j.highest\_sal

Outer Join

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e, departments d where e.department\_id(+)=d.department\_id;

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e, departments d where e.department\_id=d.department\_id(+);

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e, departments d where e.department\_id(+)=d.department\_id(+);

Self Join

SELECT worker.last\_name || ' works for '

|| manager.last\_name

FROM employees worker, employees manager

where worker.manager\_id=manager.employee\_id

Cross Join (Cartain Product)

SELECT last\_name, department\_name FROM employees cross join employees;

Natural Join

SELECT department\_id, department\_name, location\_id, city

FROM departments NATURAL JOIN Locations;

Join Using clause

SELECT e.employee\_id, e.last\_name, d.location\_id from employees e join departments d using (department\_id)

Joining ON

SELECT e.employee\_id, e.last\_name, e.department\_id, d.department\_id, d.location\_id FROM employees e JOIN departments d ON(e.department\_id=d.department\_id)

SELECT employee\_id, city, department\_name FROM employees e join departments d on d.department\_id=e.department\_id join locations l on d.location\_id=l.location\_id;

Left Outer Join

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e

LEFT OUTER JOIN departments d on (d.department\_id=e.department\_id);

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e

RIGHT OUTER JOIN departments d on (d.department\_id=e.department\_id);

SELECT e.last\_name, e.department\_id, d.department\_name FROM employees e

FULL OUTER JOIN departments d on (d.department\_id=e.department\_id);