select emp\_id,name,dept\_name from employees e1 inner join departments d1 on e1.dept\_id = d1.dept\_id where dept\_name='IT';

SELECT d1.dept\_id,d1.dept\_name FROM departments d1 LEFT JOIN employees e1 ON e1.dept\_id = d1.dept\_id where emp\_id is null;

select name,dept\_name from employees cross join departments;

SELECT e1.emp\_id,e1.name FROM employees e1 LEFT JOIN departments d1 ON e1.dept\_id = d1.dept\_id where d1.dept\_id is null;

select e.name, d.dept\_name from employees e left join departments d on e.dept\_id = d.dept\_id union select e.name, d.dept\_name from employees e right join departments d on e.dept\_id = d.dept\_id;