1.Show all employees with their department names

select e.emp\_name,d.dept\_name from employees e left join departments d on

e.dept\_id=d.dept\_id;

2. List employees who do not belong to any department

select emp\_name from employees where dept\_id is null;

3. Display total number of employees in each department

select d.dept\_name,count(e.emp\_id) as total\_employees from departments d

left join employees e on d.dept\_id=e.dept\_id group by d.dept\_name;

4. Show departments with no employees

select d.dept\_name from departments d left join employees e on

d.dept\_id=e.dept\_id where e.emp\_id is null;

5. List employee names and department names for those who earn more than 40,000

select e.emp\_name,d.dept\_name,e.salary from employees e left join

departments d on e.dept\_id=d.dept\_id where e.salary> 40000;