1. select e.first_name as "employee_name", m.first_name as "manager" from employees e join employees m on e.manager id = m.manager id; 2. select job_title, first_name ||' || last_name as "Full_Name", max_salary - salary as "salary_difference" from employees natural join jobs; 3. select d.department name, avg(salary), count(e.commission pct) from departments d join employees e using(department_id) group by department_name; 4. select j.job_title, e.first_name||' ||e.last_name as full_name, max_salary - salary from employees e join jobs j using (job_id) where e.department_id = 80; 5. select country_name, city, department_name from departments join locations using(location_id) join countries using(country_id); 6. select department_name, first_name||' '||last_name as full_name from departments join employees using(manager_id); 7. select job title, avg(salary) from employees join jobs using(job id) group by job title; 8. select j.* from job_history j join employees e on e.employee_id = j.employee_id where e.salary > 12000; 9. select country_name, city, count(department_id) from countries join locations using(country_id) join departments using(location_id) where department_id in (select department_id from employees group by department_id having

count(department_id)>+2) group by country_name, city;
10. select employee_id, first_name ' ' last_name, salary from employees join departments using (department_id) join locations using(location_id) where city = 'London';
11. select d.department_name, count(e.employee_id) as num_of_emp, d.department_id from departments d left join employees e on d.department_id = e.department_id group by d.department_name, d.department_id;
12. select first_name ' ' last_name as employee_name, employee_id, country_name from employees join departments using(department_id) join locations using(location_id) join countries using(country_id);
13. select ord_no, purch_amt, cust_name, city from orders join customer using(customer_id) where purch_amt between 500 and 2000;
14. select cust_name, c.city, s.name, commission from salesman s join customer c using(salesman_id) where commission>0.12;
15. select cust_name, c.city as cust_city, grade, s.name as "Salesman" from salesman s left join customer c on s.salesman_id = c.salesman_id order by c.salesman_id;
//subqueries
1. select first_name, last_name from employees where salary > (select salary from employees where employee_id = 163);
2. select first_name, last_name, salary, department_id, job_id from employees where job_id = (select job_id from

employees where employee_id = 169);	
3. select first_name, last_name, salary, department_id from employees where salary in (select min(salary) from employees group by department_id);	
4. select department_id, first_name, last_name, job_id, department_name from employees join departments using(department_id) where department_name = 'Finance';	
5. select * from employees where salary = (select distinct salary from employees order by salary desc offset 1 row fet next 1 row only);	tch
6. select * from employees where department_id not in (select department_id from departments where manager_id	
between 100 and 200);	
7. select first_name, last_name, hire_date from employees where department_id = (select department_id from employees where first_name = 'Clara') and first_name<>'Clara';	
8. select employee_id, first_name, last_name from employees where department_id in (select department_id from employees where first_name like '%T%');	
9. select employee_id, first_name, last_name, salary from employees where salary > (select avg(salary) from employees) and department_id in (select department_id from employees where first_name like '%J%');	
10. select e.first_name, e.last_name, employee_id, j.job_title from employees e join jobs using(job_id) where e.department_id in (select department_id from departments d where location_id in (select location_id from locations where city = 'Toronto'));	

- 11. select e.first_name, last_name, job_title from employees e join jobs using(job_id) where salary > (select salary from employees where job_id = 'MK_MAN');
- 12. select employee_id, first_name, last_name, job_title from employees e join jobs using(job_id) where salary > any(select avg(salary) from employees group by department_id);
- 13. select department_id, sum(salary) from employees where department_id in (select department_id from departments) group by department id having count(department id) >=1;
- 14. select e1.first_name, e1.last_name from employees e1 where salary>(select sum(salary)*0.5 from employees e2 where e1.department_id = e2.department_id);
- 15. select e.employee_id, e.first_name||' '||e.last_name, e.salary, d.department_name, l.city from employees e join departments d using(department_id) join locations I using(location_id) where e.salary = (select max(salary) from employees where hire_date between '01-JAN-2002' and '31-DEC-2003');