1. select o.ord_no, o.ord_date, c.cust_name from orders o inner join customer c on o.customer_id = c.customer_id where c.city = 'New York';

2. select e.employee_id, e.first_name, d.department_id, d.department_name from employees e full join departments d on e.department_id = d.department_id where e.salary between 5000 and 9000;

3. select o.ord_no, o.ord_date, c.cust_name from orders o right join customer c on o.customer_id = c.customer_id where o.ord_date > '11-SEP-12';

4. select d.department_id, d.department_name, e.employee_id, e.first_name || ' ' || e.last_name as full_name from departments d right join employees e on d.department_id = e.department_id;

5. select c.customer_id, c.cust_name, o.ord_no from customer c left join orders o on c.customer_id = o.customer_id;

6. select * from orders natural join customer;

7. select s.name as salesman_name, s.salesman_id, o.customer_id, o.purch_amt from salesman s full join orders o on o.salesman_id = s.salesman_id;

8. select * from employees natural join departments d where d.department_name = 'Payroll'

9. select d.department_id, d.department_name, e.employee_id, e.first_name, e.last_name from departments d full join employees e on d.department_id = e.department_id;

10. select j.job_id, j.job_title, e.employee_id, e.first_name, e.last_name from jobs j full join employees e on j.job_id = e.job_id;

11. select * from company_mast cross join orders;

12. select l.location_id, l.city, c.country_name from locations l right join countries c on l.country_id = c.country_id;

13. select d.department_name, count(e.employee_id) as num_employees from departments d inner join employees e on d.department_id = e.department_id group by d.department_name

14. select jh.employee_id, j.job_title, (jh.end_date - jh.start_date) as active_days from jobs j join history jh using (job_id) where jh.department_id = 80;

15. select j.job_title, avg(e.salary) from employees e join jobs j on e.job_id = j.job_id group by j.job_title;

16. select d.department_name, avg(e.salary), count(*) from employees e inner join departments d on e.department_id = d.department_id group by d.department_name having count(e.commission_pct) > 0;

17. select j.job_title, e.first_name || ' '|| e.last_name as full_name, (j.max_salary - e.salary) as salary_diff from employees e left join jobs j on e.job_id = j.job_id;

18. select e1.first_name, e1.last_name, e1.salary from employees e1 inner join employees e2 on e1.salary < e2.salary and e2.employee_id = 182;

19. select e.first_name, e.last_name, d.department_id, d.department_name from employees e left join departments d on d.department_id = e.department_id and e.department_id in (80,50);

20. select first_name, e.last_name, d.department_id, d.department_name from employees e left join departments d on

d.department_id = e.department_id and e.department_id in (80,50);