

--1

```
SELECT L.CITY,D.DEPARTMENT_NAME,COUNT(*)
FROM EMPLOYEES E JOIN DEPARTMENTS D
ON(E.DEPARTMENT_ID = D.DEPARTMENT_ID)
JOIN LOCATIONS L
ON(D.LOCATION_ID = L.LOCATION_ID)
WHERE D.DEPARTMENT_NAME LIKE '%IT%'
GROUP BY L.CITY,D.DEPARTMENT_NAME
HAVING COUNT(*)>10;
```

--2

```
SELECT E.FIRST_NAME AS MANAGER_NAME,COUNT(*)
FROM EMPLOYEES E JOIN EMPLOYEES M
ON(E.EMPLOYEE_ID = M.MANAGER_ID)
GROUP BY E.FIRST_NAME;
```

--3

```
SELECT *
FROM EMPLOYEES
WHERE TO_CHAR(HIRE_DATE,'DAY')='MONDAY';
```

--4

CODE_ID_01
1 A
2 A
3 A
4 A
5 C

INNER JOIN

CODE_...
1 A
2 A
3 A
4 A
5 C
6 (null)
7 B

LOJ

CODE_ID_01
1 A
2 A
3 C
4 A
5 A
6 (null)

ROJ

--5

```
SELECT TO_CHAR(HIRE_DATE,'YYYY'),COUNT(*)
FROM EMPLOYEES
GROUP BY TO_CHAR(HIRE_DATE,'YYYY');
```

--6

```
SELECT NVL2(COMMISSION_PCT,(SALARY+SALARY*COMMISSION_PCT),SALARY) AS TOTAL_SALARY
FROM EMPLOYEES
WHERE ROUND(MONTHS_BETWEEN(SYSDATE,HIRE_DATE)/12)>10;
```

--7

```
SELECT CITY,AVG(SALARY),COUNT(*)
FROM EMPLOYEES E JOIN DEPARTMENTS D
ON(E.DEPARTMENT_ID = D.DEPARTMENT_ID)
JOIN LOCATIONS L
ON(D.LOCATION_ID = L.LOCATION_ID)
GROUP BY CITY
HAVING AVG(SALARY)>20000
AND COUNT(*)>5;
```

--8

->1

```
SELECT *
FROM EMPLOYEES
WHERE EMPLOYEE_ID IN(SELECT EMPLOYEE_ID
FROM EMPLOYEES
MINUS
SELECT EMPLOYEE_ID
FROM JOB_HISTORY);
```

->2

```
SELECT * FROM EMPLOYEES
WHERE EMPLOYEE_ID NOT IN (SELECT EMPLOYEE_ID
                           FROM JOB_HISTORY);
```

->3

```
SELECT E.EMPLOYEE_ID,E.FIRST_NAME, E.LAST_NAME
FROM EMPLOYEES E LEFT OUTER JOIN JOB_HISTORY J
ON(E.EMPLOYEE_ID = J.EMPLOYEE_ID)
WHERE E.EMPLOYEE_ID NOT IN (SELECT EMPLOYEE_ID FROM JOB_HISTORY);
```

--9

```
SELECT E.EMPLOYEE_ID,E.FIRST_NAME,E.LAST_NAME
FROM EMPLOYEES E INNER JOIN JOB_HISTORY J
ON(E.HIRE_DATE = J.START_DATE AND E.EMPLOYEE_ID = J.EMPLOYEE_ID);
```