

Corrigé (éléments)

B) Requêtes d'interrogation des tables de HR

1-

```
SELECT LAST_NAME
FROM HR.EMPLOYEES
WHERE SALARY > 10000 ;
```

LAST_NAME

King

Kochhar

De Haan

Raphaely

Higgins

15 ligne(s) sélectionnée(s).

2-

```
SELECT LAST_NAME
FROM HR.EMPLOYEES
WHERE HIRE_DATE >= '17-FEV-1997' AND HIRE_DATE <= '30-OCT-1997' ;
```

LAST_NAME

Austin

Chen

Sciarra

Tobias

Bull

Chung

Dilly

Everett

Fay

21 ligne(s) sélectionnée(s).

3-

```
SELECT LAST_NAME
FROM HR.EMPLOYEES
WHERE LAST_NAME LIKE 'J%';
```

LAST_NAME

Johnson

Jones

4-

```
SELECT LAST_NAME
FROM HR.EMPLOYEES
WHERE LAST_NAME LIKE '%A%A%' ;
```

LAST_NAME

De Haan
Pataballa
Banda
Sarchand

10 ligne(s) sélectionnée(s).

5-

```
SELECT LAST_NAME
FROM HR.EMPLOYEES
WHERE MANAGER_ID = 114 ;
LAST_NAME
```

Khoo
Baida
Tobias
Himuro
Colmenares

6-

```
SELECT DEPARTMENT_NAME
FROM HR.DEPARTMENTS
WHERE MANAGER_ID = 114 OR MANAGER_ID IS NULL;
```

7-

```
SELECT DEPARTMENT_NAME
FROM HR.DEPARTMENTS
MINUS
SELECT DEPARTMENT_NAME
FROM HR.DEPARTMENTS D, HR.LOCATIONS L
WHERE L.LOCATION_ID = D.LOCATION_ID
AND L.CITY = 'Seattle';
```

OU

```
SELECT DEPARTMENT_NAME
FROM HR.DEPARTMENTS D, HR.LOCATIONS L
WHERE L.LOCATION_ID = D.LOCATION_ID
AND L.CITY != 'Seattle';
```

DEPARTMENT_NAME

Human Resources
IT
Marketing
Public Relations
Sales
Shipping

6 ligne(s) sélectionnée(s).

8-

```

SELECT LAST_NAME,
       NVL( TO_CHAR(COMMISSION_PCT, '90.99'), 'PAS DE COMMISSION')
FROM HR.EMPLOYEES ;

```

LAST_NAME	COMMISSION
Grant	0.15
Johnson	0.10
Taylor	pas de commission
Fleur	pas de commission
Sullivan	pas de commission
Geoni	pas de commission
Sarchand	pas de commission
Bull	pas de commission
Dellinger	pas de commission
Cabrio	pas de commission

....
107 ligne(s) sélectionnée(s).

```

9-
SELECT INITCAP(LAST_NAME) AS NOM
FROM HR.EMPLOYEES
WHERE SALARY > (SELECT AVG(SALARY) FROM HR.EMPLOYEES)
ORDER BY LAST_NAME;

```

NOM
Faviet
Fox
Fripp
Gietz
Marvins
Mavris
Mcewen
Olsen

...
51 ligne(s) sélectionnée(s).

```

10-
SELECT      DISTINCT E2.LAST_NAME
FROM        HR.EMPLOYEES E1, HR.EMPLOYEES E2
WHERE       E1.MANAGER_ID = E2.EMPLOYEE_ID;

```

LAST_NAME
Cambrault
De Haan
Errazuriz
Fripp
Greenberg
Hartstein
Higgins
Russell

Vollman
Weiss
Zlotkey
...

18 ligne(s) sélectionnée(s).

11-

```
SELECT DEPARTMENT_NAME
FROM HR.DEPARTMENTS D
WHERE NOT EXISTS (SELECT * FROM HR.EMPLOYEES E
                  WHERE D.DEPARTMENT_ID = E.DEPARTMENT_ID);
```

DEPARTMENT_NAME

Treasury
Corporate Tax
Recruiting
Payroll
...

16 ligne(s) sélectionnée(s).

Remarque : Attention ici la solution NOT IN ne marchera que si dans la sous requête on limite les résultats à des NOT NULL (e.departement_id IS NOT NULL dans la sous requête).

12-

```
SELECT COUNT(DISTINCT EMPLOYEE_ID), JOB_TITLE
FROM HR.EMPLOYEES E, HR.JOBS J
WHERE J.JOB_ID = E.JOB_ID
GROUP BY JOB_TITLE ;
```

COUNT(EMPLOYEE_ID) JOB_TITLE

5 Accountant
1 Accounting Manager
1 Administration Assistant
2 Administration Vice President
1 Finance Manager
1 Human Resources Representative
1 Marketing Manager
1 Marketing Representative
1 President
...

19 ligne(s) sélectionnée(s).

13-

```
SELECT E.LAST_NAME, L.STREET_ADDRESS, L.CITY
FROM HR.EMPLOYEES E, HR.LOCATIONS L, HR.DEPARTMENTS D
WHERE E.DEPARTMENT_ID = D.DEPARTMENT_ID
AND D.LOCATION_ID = L.LOCATION_ID
AND E.HIRE_DATE < ( SELECT HIRE_DATE
                   FROM HR.EMPLOYEES E
                   WHERE E.LAST_NAME = 'WEISS')
```

);

LAST_NAME	STREET_ADDRESS

CITY	

Rajs	2011 Interiors Blvd
South San Francisco	
King	Magdalen Centre, The Oxford Science Park
Oxford	
Sully	Magdalen Centre, The Oxford Science Park
Oxford	
Sarchand	2011 Interiors Blvd
South San Francisco	
Bell	2011 Interiors Blvd
South San Francisco	

...

24 ligne(s) sélectionnée(s).

14-

```
SELECT JOB_TITLE, COUNT(E.EMPLOYEE_ID)
FROM HR.EMPLOYEES E, HR.JOBS J
WHERE E.JOB_ID = J.JOB_ID
AND E.SALARY < J.MAX_SALARY
AND E.SALARY > J.MIN_SALARY
GROUP BY JOB_TITLE;
```

JOB_TITLE	COUNT(E.EMPLOYEE_ID)

Accountant	4
Accounting Manager	1
Administration Assistant	1
Administration Vice President	2
Finance Manager	1
Human Resources Representative	1
Marketing Manager	1
Marketing Representative	1
President	1
Programmer	5
...	

19 ligne(s) sélectionnée(s).

15-

```
SELECT J.JOB_TITLE, SUM(E.SALARY)
FROM HR.EMPLOYEES E, HR.JOBS J
```

```
WHERE E.JOB_ID = J.JOB_ID GROUP BY J.JOB_TITLE HAVING  
SUM(E.SALARY) <=10000;
```

JOB_TITLE	SUM(E.SALARY)
Administration Assistant	4400
Human Resources Representative	6500
Marketing Representative	6000
Public Accountant	8300
Public Relations Representative	10000