```
2* WHERE LOCATION_ID IN (SELECT LOCATION_ID FROM DEPARTMENTS);

CITY

Southlake
South San Francisco
Seattle
Toronto
London
Oxford
Munich

7 rows selected.
```

2.

```
SQL> SELECT CITY FROM LOCATIONS
 2* WHERE LOCATION ID NOT IN (SELECT LOCATION ID FROM DEPARTMENTS);
CITY
Roma
Venice
Tokyo
Hiroshima
South Brunswick
Whitehorse
Beijing
Bombay
Sydney
Singapore
Stretford
Sao Paulo
Geneva
Bern
Utrecht
Mexico City
16 rows selected.
```

```
SQL> SELECT CITY FROM LOCATIONS

2* WHERE LOCATION_ID IN (SELECT LOCATION_ID FROM DEPARTMENTS) AND LOCATION_ID >1;

CITY

Southlake
South San Francisco
Seattle
Toronto
London
Oxford
Munich

7 rows selected.
```

4.

```
QL> SELECT DEPARTMENT NAME, COUNTRY NAME, COUNT(EMPLOYEE ID), SUM(SALARY), AVG(SALARY)
2 FROM EMPLOYEES JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT ID = DEPARTMENTS.DEPARTMENT ID
3 JOIN LOCATIONS ON DEPARTMENTS.LOCATION ID = LOCATIONS.LOCATION ID
4 JOIN COUNTRIES ON LOCATIONS.COUNTRY ID = COUNTRIES.COUNTRY ID
5 GROUP BY DEPARTMENT NAME, COUNTRY NAME
6* ORDER BY COUNTRY_NAME ASC, AVG(SALARY) DESC;
                                          COUNTRY NAME
                                                                                                            COUNT(EMPLOYEE ID)
                                                                                                                                                                                                                                                          AVG(SALARY)
DEPARTMENT NAME
                                                                                                                                                          SUM(SALARY)
                                                                                                                                                                     19000
10000
304500
Marketing
Public Relations
                                          Canada
                                                                                                                                                                                                                                                                         9500
                                         Canada
Germany
United Kingdom
United Kingdom
United States of America
                                                                                                                                                                                                                                                                      10000
Sales
Human Resources
Shipping
Executive
                                                                                                                                              34
                                                                                                                                                                                          8955.882352941176470588235294117647058824
                                                                                                                                              1
45
                                                                                                                                                                     6500
156400
                                                                                                                                                                                                                                                                       6500
                                                                                                                                                                                          3
6
5
6
2
1
                                                                                                                                                                       58000
                                                                                                                                                                                            19333.33333333333333333333333333333333
 Finance
                                                                                                                                                                       51608
                                                                                                                                                                                          8601.3333333333333333333333333333333333
IT
                                                                                                                                                                       28800
24900
                                                                                                                                                                                                                                                                        5760
4150
Purchasing
Accounting
Administration
                                                                                                                                                                        20308
                                                                                                                                                                                                                                                                       10154
                                                                                                                                                                          4400
                                                                                                                                                                                                                                                                         4400
11 rows selected.
```

5.

```
SQL> SELECT DEPARTMENT_NAME, COUNTRY_NAME, COUNT(EMPLOYEE_ID), SUM(SALARY), AVG(SALARY)

2 FROM EMPLOYEES JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT ID = DEPARTMENTS.DEPARTMENT_ID

3 JOIN LOCATIONS ON DEPARTMENTS.LOCATION_ID = LOCATIONS.LOCATION_ID

4 JOIN COUNTRIES ON LOCATIONS.COUNTRY_ID = COUNTRIES.COUNTRY_ID

5 WHERE EMPLOYEE ID NOT IN (SELECT DEPARTMENT_ID FROM DEPARTMENTS)

6 GROUP BY DEPARTMENT_NAME, COUNTRY_NAME

7* ORDER BY COUNTRY_NAME ASC, AVG(SALARY) DESC;
 DEPARTMENT NAME
                                                  COUNTRY NAME
                                                                                                                               COUNT(EMPLOYEE ID)
                                                                                                                                                                                      SUM(SALARY)
                                                                                                                                                                                                                                                                                                     AVG(SALARY)
 Marketing
Public Relations
                                                  Canada
                                                                                                                                                                                                     19000
                                                                                                                                                                                                                                                                                                                       9500
                                                Canada
Germany
United Kingdom
United Kingdom
United States of America
                                                                                                                                                                                                    10000
                                                                                                                                                                                                 277400
6500
137000
 Sales
                                                                                                                                                                                                                          8948.387096774193548387096774193548387097
 Human Resources
                                                                                                                                                                       1
40
                                                                                                                                                                                                                                                                                                                      6500
                                                                                                                                                                                                                                                                                                                       3425
 Shipping
  Finance
                                                                                                                                                                                                    43408
                                                                                                                                                                                                                                                                                                                  8681.6
                                                                                                                                                                                                    34000
                                                                                                                                                                                                                                                                                                                    17000
5760
 Executive
                                                                                                                                                                                                    28800
 Purchasing
                                                                                                                                                                                                                                                                                                                       4150
                                                                                                                                                                                                                                                                                                                    10154
 Accounting
                                                                                                                                                                                                     20308
 10 rows selected.
```

6.

```
SQL> SELECT COUNTRIES.COUNTRY NAME AS "Pais", COUNT(EMPLOYEES.EMPLOYEE ID) AS "Número
d'empleats"
 2 FROM COUNTRIES JOIN LOCATIONS ON COUNTRIES.COUNTRY ID = LOCATIONS.COUNTRY ID
  3 JOIN DEPARTMENTS ON LOCATIONS.LOCATION ID = DEPARTMENTS.LOCATION ID
    JOIN EMPLOYEES ON DEPARTMENTS.DEPARTMENT ID = EMPLOYEES.DEPARTMENT ID
  5 GROUP BY COUNTRIES. COUNTRY NAME
  6* ORDER BY COUNTRIES.COUNTRY NAME ASC;
Pais
                               Númerod'empleats
                                              2
Canada
                                              1
Germany
United Kinadom
                                             35
United States of America
                                             68
```

7.

```
SQL> SELECT COUNTRIES.COUNTRY NAME AS "Pais", COUNT(EMPLOYEES.EMPLOYEE ID) AS "Número
 d'empleats",
  2 CASE WHEN COUNT(EMPLOYEES.EMPLOYEE_ID) = 0 THEN 'Sense departaments'
  3 ELSE 'Amb departaments'
 4 END AS "Estat"
  5 FROM COUNTRIES LEFT JOIN LOCATIONS ON COUNTRIES.COUNTRY_ID = LOCATIONS.COUNTRY_ID
  6 LEFT JOIN DEPARTMENTS ON LOCATIONS.LOCATION ID = DEPARTMENTS.LOCATION ID
    LEFT JOIN EMPLOYEES ON DEPARTMENTS.DEPARTMENT ID = EMPLOYEES.DEPARTMENT_ID
    GROUP BY COUNTRIES.COUNTRY NAME
  9* ORDER BY COUNTRIES.COUNTRY NAME ASC;
Pais
                               Númerod'empleats Estat
Argentina
                                              O Sense departaments
Australia
                                              0 Sense departaments
Belgium
                                              0 Sense departaments
Brazil
                                              O Sense departaments
Canada
                                              2 Amb departaments
China
                                              0 Sense departaments
Denmark
                                              0 Sense departaments
Egypt
                                              0 Sense departaments
France
                                              0 Sense departaments
                                              1 Amb departaments
Germany
India
                                              O Sense departaments
Israel
                                              0 Sense departaments
Italv
                                              0 Sense departaments
Japan
                                              0 Sense departaments
                                              0 Sense departaments
Kuwait
                                              O Sense departaments
Malaysia
Mexico
                                              0 Sense departaments
Netherlands
                                              0 Sense departaments
Nigeria
                                              0 Sense departaments
Singapore
                                              0 Sense departaments
Switzerland
                                              0 Sense departaments
United Kingdom
                                             35 Amb departaments
United States of America
                                             68 Amb departaments
Zambia
                                              O Sense departaments
Pais
               Númerod'empleats Estat
Zimbabwe
                              0 Sense departaments
```