

Activitat 1

```
SQL> SELECT L.LOCATION_ID, COUNT(D.DEPARTMENT_ID) AS NUM_DEPARTMENTS
2 FROM LOCATIONS L
3 LEFT JOIN DEPARTMENTS D ON L.LOCATION_ID = D.LOCATION_ID
4 WHERE D.DEPARTMENT_ID IS NOT NULL
5* GROUP BY L.LOCATION_ID;
```

LOCATION_ID	NUM_DEPARTMENTS
1400	1
1500	1
1700	21
1800	1
2400	1
2500	1
2700	1

Activitat 2

```
SQL> SELECT L.LOCATION_ID, COUNT(D.DEPARTMENT_ID) AS NUM_DEPARTMENTS
2 FROM LOCATIONS L
3 LEFT JOIN DEPARTMENTS D ON L.LOCATION_ID = D.LOCATION_ID
4* GROUP BY L.LOCATION_ID;
```

Activitat 3

```
SQL> SELECT L.LOCATION_ID, COUNT(D.DEPARTMENT_ID) AS NUM_DEPARTMENTS
2 FROM LOCATIONS L
3 LEFT JOIN DEPARTMENTS D ON L.LOCATION_ID = D.LOCATION_ID
4 GROUP BY L.LOCATION_ID
5* HAVING COUNT(D.DEPARTMENT_ID) > 1;
```

Activitat 4

```
SQL> SELECT D.DEPARTMENT_NAME, D.LOCATION_ID, COUNT(E.EMPLOYEE_ID) AS NUM_EMPLOYEES,
2 SUM(E.SALARY) AS TOTAL_SALARY, AVG(E.SALARY) AS AVG_SALARY
3 FROM DEPARTMENTS D
4 LEFT JOIN EMPLOYEES E ON D.DEPARTMENT_ID = E.DEPARTMENT_ID
5 GROUP BY D.DEPARTMENT_NAME, D.LOCATION_ID
6* ORDER BY D.LOCATION_ID ASC, AVG(E.SALARY) DESC;
```

Activitat 5

```
SQL> SELECT D.DEPARTMENT_NAME, D.LOCATION_ID, COUNT(E.EMPLOYEE_ID) AS NUM_EMPLOYEES,
2 SUM(E.SALARY) AS TOTAL_SALARY, AVG(E.SALARY) AS AVG_SALARY
3 FROM DEPARTMENTS D
4 LEFT JOIN EMPLOYEES E ON D.DEPARTMENT_ID = E.DEPARTMENT_ID
5 GROUP BY D.DEPARTMENT_NAME, D.LOCATION_ID
6 UNION ALL
7 SELECT 'NO DEPARTMENT' AS DEPARTMENT_NAME, NULL AS LOCATION_ID,
8 COUNT(E.EMPLOYEE_ID) AS NUM_EMPLOYEES, SUM(E.SALARY) AS TOTAL_SALARY,
9 AVG(E.SALARY) AS AVG_SALARY
10 FROM EMPLOYEES E
11* WHERE E.DEPARTMENT_ID IS NULL;
```