

## Soluții exerciții Subcereri

1. 

```
SELECT JOB_ID, LAST_NAME, SALARY
FROM EMPLOYEES
WHERE (SALARY, JOB_ID) IN (SELECT MAX(SALARY), JOB_ID
                           FROM EMPLOYEES
                           GROUP BY JOB_ID)
ORDER BY SALARY DESC;
```
2. 

```
SELECT LAST_NAME, JOB_ID, SALARY
FROM EMPLOYEES
WHERE (SALARY, JOB_ID) IN (SELECT MIN(SALARY), JOB_ID
                           FROM EMPLOYEES
                           GROUP BY JOB_ID)
ORDER BY SALARY;
```
3. 

```
SELECT DEPARTMENT_ID, LAST_NAME, HIRE_DATE
FROM EMPLOYEES
WHERE (HIRE_DATE, DEPARTMENT_ID) IN (SELECT MAX(HIRE_DATE),
                                       DEPARTMENT_ID
                                       FROM EMP
                                       GROUP BY DEPTNO)
ORDER BY HIREDATE;
```
4. 

```
SELECT LAST_NAME, SALARY, DEPARTMENT_ID
FROM EMPLOYEES E
WHERE SALARY > (SELECT AVG(SALARY)
                FROM EMPLOYEES
                WHERE DEPARTMENT_ID = E.DEPARTMENT_ID)
ORDER BY DEPARTMENT_ID;
```
5. 

```
SELECT LAST_NAME, SALARY
FROM EMPLOYEES E
WHERE 3 > (SELECT COUNT(*)
           FROM EMPLOYEES
           WHERE E.SALARY < SALARY);
```
6. 

```
SELECT TO_CHAR(HIRE_DATE, 'YYYY') YEAR,
       COUNT(EMPLOYEE_ID) NUMBER_OF_EMPS
FROM EMPLOYEES
GROUP BY TO_CHAR(HIRE_DATE, 'YYYY')
HAVING COUNT(EMPLOYEE_ID) = (SELECT MAX(COUNT(EMPLOYEE_ID))
                              FROM EMPLOYEES
                              GROUP BY TO_CHAR(HIRE_DATE, 'YYYY'));
```
7. 

```
SELECT E.LAST_NAME LAST_NAME, E.SALARY, E.DEPARTMENT_ID,
AVG(A.SALARY) DEPT_AVG
FROM EMPLOYEEA A, EMPLOYEES E
WHERE E.DEPARTMENT_ID = A.DEPARTMENT_ID
AND E.SALARY > (SELECT AVG(SALARY)
                FROM EMPLOYEES
                WHERE DEPARTMENT_ID = E.DEPARTMENT_ID)
GROUP BY E.LAST_NAME, E.SALARY, E.DEPARTMENT_ID
ORDER BY AVG(A.SALARY);
```

```
8. SELECT LAST_NAME, HIRE_DATE, '*' MAXDATE
   FROM EMPLOYEES
   WHERE HIRE_DATE = (SELECT MAX(HIRE_DATE) FROM EMPLOYEES)
   UNION
   SELECT LAST_NAME, HIRE_DATE, ' '
   FROM EMP
   WHERE HIRE_DATE <> (SELECT MAX(HIRE_DATE) FROM EMPLOYEES)
```