

## Exemplu test BD1

### ➤ **Enunt:**

Sa se scrie o cerere SQL\*Plus care face o lista cu angajatii din departamentul cu cei mai multi angatati care au vechimea>30 ani in companie.

Antetul listei:

### LISTA ANGAJATI

DEN_DEP	NUME_ANG	DATA_ANG	ANI_VECHIME
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## ➤ Rezolvare:

1)

```
select deptno, count(*) nr from emp e
where months_between(sysdate,e.hiredate) >= 360 group by deptno;
```

DEPTNO	NR
30	6
20	3
10	3

2)

```
select max(nr) nr_max from (select deptno, count(*) nr from emp e
where months_between(sysdate,e.hiredate) >= 360 group by deptno);
```

NR_MAX
6

3)

```
set lines 100
set pages 50
title center 'LISTA ANGAJATI'
select d.dname den_dep, f.ename nume_ang, f.hiredate data_ang,
trunc(months_between(sysdate,f.hiredate)/12) ani_vechime
from emp f, dept d,
(select deptno, count(*) nr from emp e
where months_between(sysdate,e.hiredate) >= 360 group by deptno) nr_ang,
(select max(nr) nr_max from (select count(*) nr from emp e
where months_between(sysdate,e.hiredate) >= 360 group by deptno)) max_ang
where nr_ang.nr = max_ang.nr_max and nr_ang.deptno = f.deptno and f.deptno = d.deptno;
```

### LISTA ANGAJATI

DEN_DEP	NUME_ANG	DATA_ANG	ANI_VECHIME
SALES	JAMES	03-12-1981	34
SALES	TURNER	08-09-1981	34
SALES	BLAKE	01-05-1981	35
SALES	MARTIN	28-09-1981	34
SALES	WARD	22-02-1981	35
SALES	ALLEN	20-02-1981	35

6 ȋnregistrari selectate.

➤ **Evaluare:**

Se va puncta fiecare pas rezolvat corect, de exemplu:

- pasul 1 – 2 p
- pasul 2 - 3p
- pasul 3 - 5p

➤ **Observatii:**

- Daca pasul 3 este rezolvat partial se pot acorda puncte, de exemplu:
  - cererea este scrisa dar sunt erori de compilare : 1-2 p
  - cererea se executa dar nu lucreaza corect : 2-3 p
  - cererea lucreaza partial corect (rezultate corecte dar face produs cartezian, de ex.) : 3-4 p
- Testul se da pe calculator iar timpul acordat este maximum 30 minute.
- Fiecare student are acces la documentatia proprie (indrumar sau format electronic) dar nu la Internet sau alte device-uri.