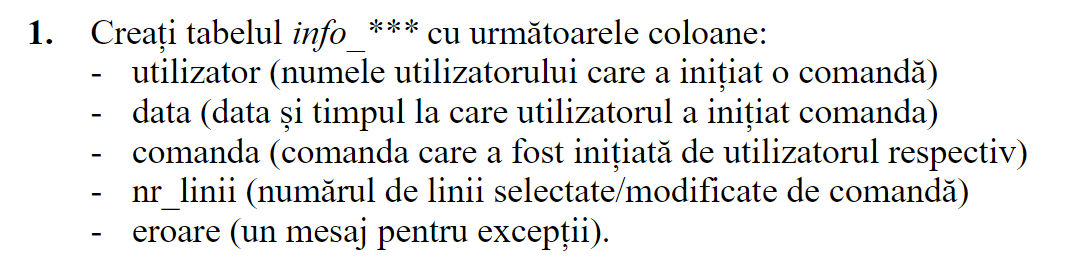
**Tema 5**

Nume: Pop Maria

Grupa: 232



create table info\_pm (

utilizator NVARCHAR2(40),

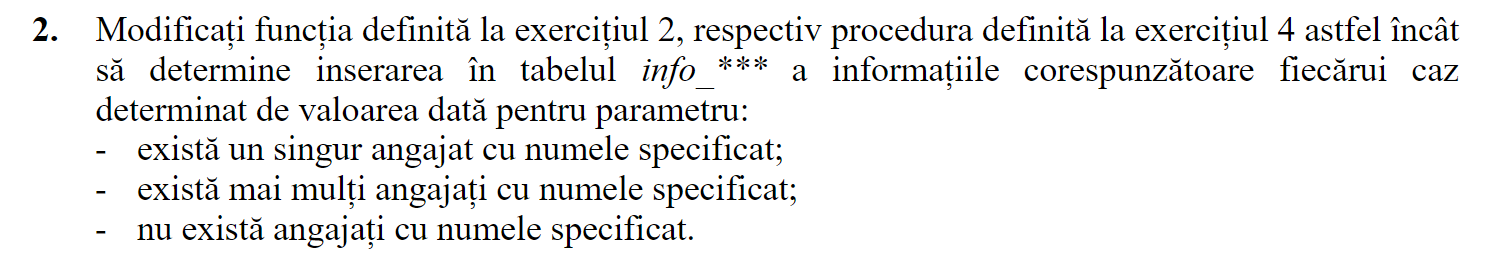
data DATE,

comanda NVARCHAR2(40),

nr\_linii NUMBER,

eroare NVARCHAR2(100)

);



create or replace function f2\_pm (

v\_nume employees.last\_name%TYPE DEFAULT 'Bell'

) return number is

salariu employees.salary%type;

begin

select salary

into salariu

from employees

where last\_name = v\_nume;

insert into info\_pm values(user, sysdate, 'f2\_pm', 1, NULL);

return salariu;

exception

when no\_data\_found then

insert into info\_pm values(user, sysdate, 'f2\_pm', 0, 'Nu exista angajatul');

raise\_application\_error(-20000, 'Nu exista angajati cu numele dat');

when too\_many\_rows then

insert into info\_pm values (user, sysdate, 'f2\_pm', 0, 'Exista mai multi angajati cu numele dat');

raise\_application\_error(-20001, 'Exista mai multi angajati cu numele dat');

when others then

insert into info\_pm values(user, sysdate, 'f2\_pm', 0, 'Alta eroare');

raise\_application\_error(-20002, 'Alta eroare');

end f2\_pm;

------------------------------------------------

create or replace procedure p4\_pm (

v\_nume employees.last\_name%type )

is

salariu employees.salary%type;

begin

select salary

into salariu

from employees

where last\_name = v\_nume;

dbms\_output.put\_line('Salariul este ' || salariu);

insert into info\_pm values(user, sysdate, 'p4\_pm', 1, NULL);

exception

when no\_data\_found then

insert into info\_pm values(user, sysdate, 'p4\_pm', 0, 'Nu exista angajatul');

raise\_application\_error(-20000, 'Nu exista angajati cu numele dat');

when too\_many\_rows then

insert into info\_pm values(user, sysdate, 'p4\_pm', 0, 'Exista mai multi angajati cu numele dat');

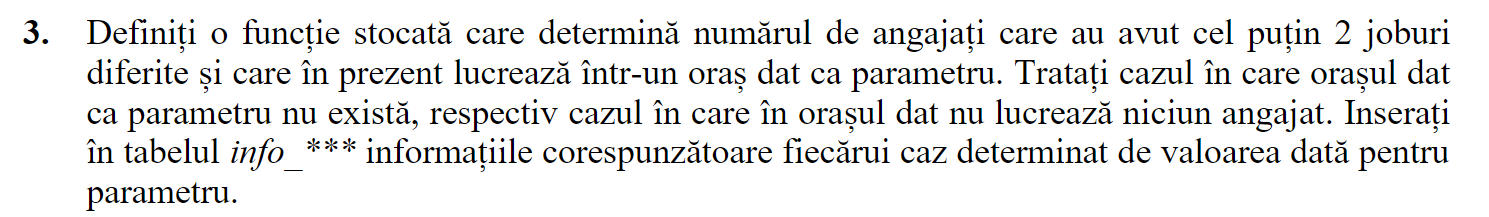
raise\_application\_error(-20001, 'Exista mai multi angajati cu numele dat');

when others then

insert into info\_pm values(user, sysdate, 'p4\_pm', 0, 'Alta eroare');

raise\_application\_error(-20002, 'Alta eroare!');

end p4\_pm;



create or replace function f3\_pm (

oras\_curent locations.city%type default 'Oxford')

return number

is

loc number;

utilizator1 info\_pm.utilizator%type;

nr\_ang number;

begin

select user into utilizator1 from dual;

select count(1)

into loc

from locations

where lower(city) = lower(oras\_curent);

if loc = 0 then

insert into info\_pm values(utilizator1, sysdate, oras\_curent, 0, 'Orasul dat nu corespunde niciunei locatii');

return 0;

end if;

select count(1)

into nr\_ang

from employees e

join departments d on (e.department\_id = d.department\_id)

join locations l on (d.location\_id = l.location\_id)

where lower(l.city) = lower(oras\_curent);

if nr\_ang = 0 then

insert into info\_pm values(utilizator1, sysdate, oras\_curent, 0, 'In orasul dat nu lucreaza niciun angajat');

return 0;

end if;

select count(1)

into nr\_ang

from employees e

join departments d on (e.department\_id = d.department\_id)

join locations l on (d.location\_id = l.location\_id)

where lower(l.city) = lower(oras\_curent) and (select count(1)

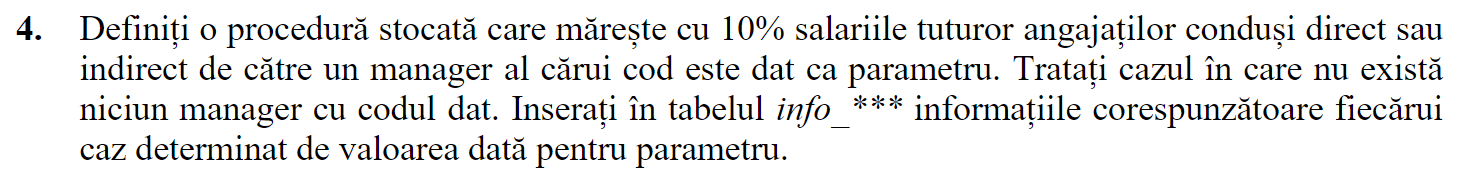
from job\_history

where employee\_id = e.employee\_id) >= 1;

insert into info\_pm values(utilizator1, sysdate, oras\_curent, nr\_ang, NULL);

return nr\_ang;

end f3\_pm;



create or replace procedure ex4\_pm (

cod\_manager employees.manager\_id%type default 100)

is

utilizator1 info\_pm.utilizator%type;

manager1 number;

nr\_linii1 number;

begin

select user into utilizator1 from dual;

select count(1) into manager1

from employees

where employee\_id = manager1;

if manager1 = 0 then

insert into info\_pm values(utilizator1, sysdate, 'test', 0, 'Nu exista niciun manager cu codul dat');

else

update employees

set salary = salary \* 1.1

where manager1 in (select employee\_id

from employees

start with employee\_id = cod\_manager

connect by prior employee\_id = manager\_id);

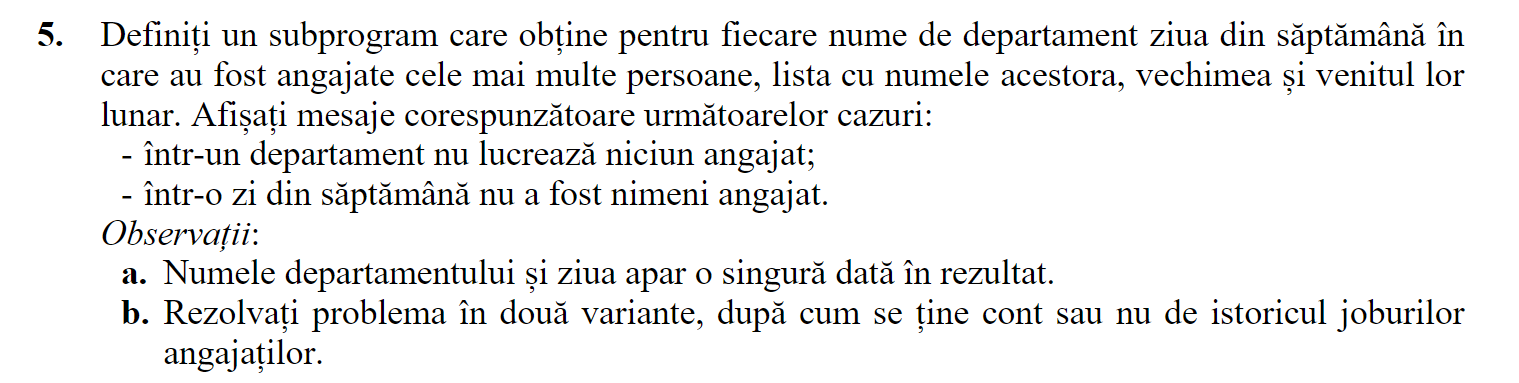
nr\_linii1 := sql%rowcount;

rollback;

insert into info\_pm values(utilizator1, sysdate, 'test', nr\_linii1, NULL);

end if;

end ex4\_pm;



create or replace procedure ex5\_pm

is

utilizator1 info\_pm.utilizator%type;

nr\_ang number;

nr\_linii1 number;

zi varchar(10);

begin

select user

into utilizator1

from dual;

for d in (select \* from departments) loop

dbms\_output.put\_line('Departament ' || d.department\_id || ': ' || d.department\_name);

select count(1)

into nr\_ang

from employees

where department\_id = d.department\_id;

if nr\_ang = 0 then

dbms\_output.put\_line('In departament nu lucreaza niciun angajat');

continue;

end if;

select day

into zi

from (select to\_char(hire\_date, 'day') day, count(1)

from employees e

where e.department\_id = d.department\_id

group by to\_char(hire\_date, 'day')

order by count(1) desc)

where rownum = 1;

dbms\_output.put\_line('Ziua in care au fost angajate cele mai multe persoane este: ' || zi);

for e1 in (select \*

from employees

where department\_id = d.department\_id

and to\_char(hire\_date, 'day') = zi)

loop

dbms\_output.put\_line(e1.last\_name || ' ' || e1.first\_name || ' ' || e1.salary);

end loop;

end loop;

end ex5\_pm;