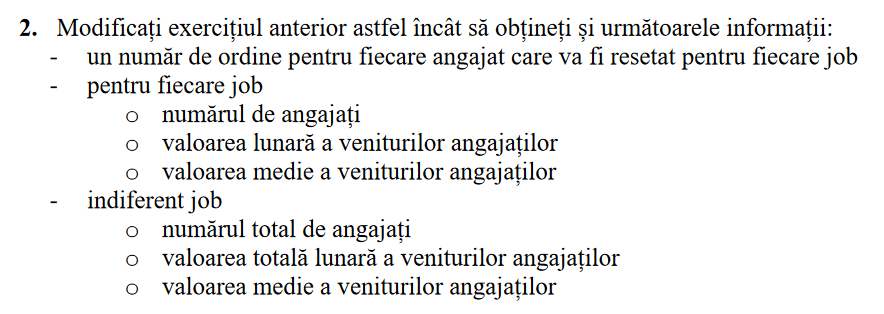
**Tema 3**

Nume: Pop Maria

Grupa: 232



DECLARE

type tip\_joburi is table of jobs.job\_id%TYPE;

cursor c (job\_curent jobs.job\_id%TYPE) is

select e.last\_name, e.first\_name, e.salary

from employees e, jobs j

where j.job\_id = e.job\_id and j.job\_id = job\_curent;

joburi tip\_joburi := tip\_joburi();

titlu\_job jobs.job\_title%type;

nume\_angajat employees.first\_name%type;

prenume\_angajat employees.last\_name%type;

salariu employees.salary%type;

numar\_joburi number;

numar\_salariati number;

numar number := 0;

numar\_total number := 0;

salariu\_total\_job number := 0;

salariu\_mediu\_job number;

salariu\_total number := 0;

salariu\_mediu number := 0;

begin

select count(\*)

into numar\_joburi

from jobs;

joburi.extend(numar\_joburi);

select j.job\_id

bulk collect into joburi

from jobs j;

for i in joburi.first..joburi.last loop

select job\_title

into titlu\_job

from jobs j

where j.job\_id = joburi(i);

numar := 0;

salariu\_total\_job := 0;

select count(\*)

into numar\_salariati

from employees e, jobs j

where e.job\_id = j.job\_id and j.job\_id = joburi(i);

if numar\_salariati = 0 then

DBMS\_OUTPUT.put\_line('Nu lucreaza niciun angajat ca ' || titlu\_job);

elsif numar\_salariati = 1 then

DBMS\_OUTPUT.put\_line('Un angajat lucreaza ca ' || titlu\_job);

elsif numar\_salariati < 20 then

DBMS\_OUTPUT.put\_line(numar\_salariati || ' angajati lucreaza ca ' || titlu\_job);

else

DBMS\_OUTPUT.put\_line(numar\_salariati || ' de angajati lucreaza ca ' || titlu\_job);

end if;

open c(joburi(i));

loop

fetch c into nume\_angajat, prenume\_angajat, salariu;

exit when c%NOTFOUND;

DBMS\_OUTPUT.put\_line(numar + 1 || '. ' || nume\_angajat || ' ' || prenume\_angajat || ': ' || salariu);

numar := numar + 1;

salariu\_total\_job := salariu\_total\_job + salariu;

numar\_total := numar\_total + 1;

end loop;

close c;

salariu\_total := salariu\_total + salariu\_total\_job;

if numar = 0 then

DBMS\_OUTPUT.put\_line('Nu exista niciun angajat');

else

salariu\_mediu\_job := salariu\_total\_job / numar;

DBMS\_OUTPUT.put\_line('Salariul total al angajatilor este ' || salariu\_total\_job || ', iar cel mediu este ' || salariu\_mediu\_job);

end if;

DBMS\_OUTPUT.new\_line();

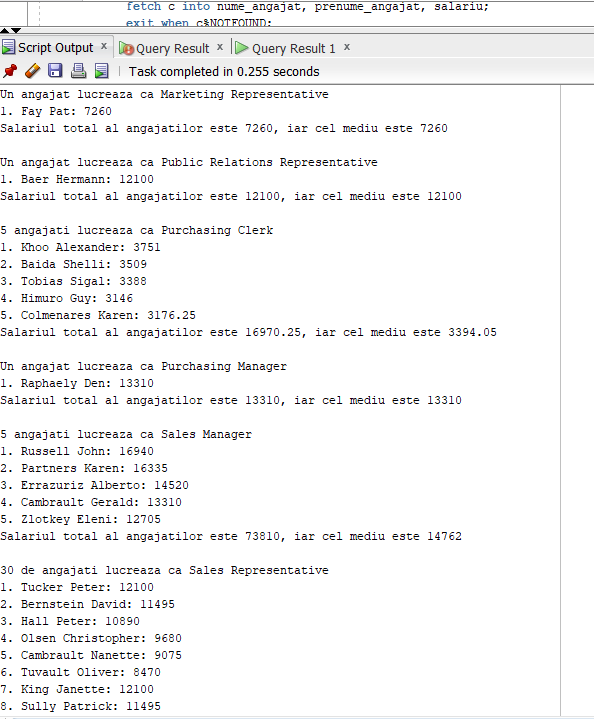
end loop;

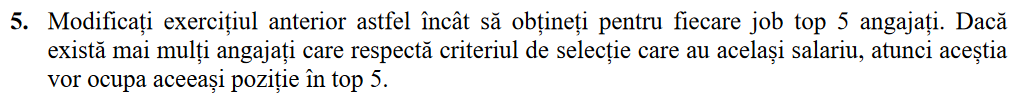
salariu\_mediu := salariu\_total / numar\_total;

DBMS\_OUTPUT.put\_line('Salariul total al tuturor angajatilor este ' || salariu\_total || ', iar cel mediu este ' || salariu\_mediu);

end;

/





DECLARE

type tip\_joburi is table of jobs.job\_id%TYPE;

cursor c (job\_curent jobs.job\_id%TYPE) is

select e.last\_name, e.first\_name, e.salary, e.commission\_pct

from employees e, jobs j

where j.job\_id = e.job\_id and j.job\_id = job\_curent

order by e.salary desc;

joburi tip\_joburi := tip\_joburi();

salariu\_angajat employees.salary%TYPE;

titlu\_job jobs.job\_title%type;

nume\_angajat employees.first\_name%type;

prenume\_angajat employees.last\_name%type;

salariu employees.salary%type;

numar\_joburi number;

numar\_salariati number;

numar number := 0;

procentaj\_comision number := 0;

begin

select count(\*)

into numar\_joburi

from jobs;

joburi.extend(numar\_joburi);

select j.job\_id

bulk collect into joburi

from jobs j;

for i in joburi.first..joburi.last loop

select job\_title

into titlu\_job

from jobs j

where j.job\_id = joburi(i);

select count(\*)

into numar\_salariati

from employees e, jobs j

where e.job\_id = j.job\_id and j.job\_id = joburi(i);

salariu\_angajat := 0;

numar := 0;

if numar\_salariati < 5 then

DBMS\_OUTPUT.put\_line('Lucreaza mai putin de 5 angajati ca ' || titlu\_job);

else

DBMS\_OUTPUT.put\_line(titlu\_job);

end if;

open c(joburi(i));

loop

fetch c into nume\_angajat, prenume\_angajat, salariu, procentaj\_comision;

exit when c%ROWCOUNT > 5 or c%NOTFOUND;

if salariu <> salariu\_angajat or salariu\_angajat = 0 then

numar := numar + 1;

salariu\_angajat := salariu;

end if;

DBMS\_OUTPUT.put\_line(numar || ' ' || nume\_angajat || ' ' || prenume\_angajat || ' ' || salariu);

end LOOP;

close c;

DBMS\_OUTPUT.new\_line();

end loop;

end;

/

