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-- Grupa 233 - Semigrupa 2

-- 1. Afisati folosind un bloc anonim codul postal, adresa si id-ul locatiei al carui oras este introdus de la tastatura.

-- Folositi un record definit de voi pentru a stoca informatiile. Tratatii cazurile in care nu exista orasul introdus sau mai

-- multe locatii in acelasi oras (Afisati mesaje corespunzatoare sau folositi raise\_application\_error).

set echo off;

set serveroutput on;

DECLARE

TYPE loc\_record IS RECORD

(cp locations.postal\_code%TYPE,  
adr locations.street\_address%TYPE,  
id locations.location\_id%TYPE,  
oras locations.city%TYPE := '&p\_oras');

v\_nr number;

v\_loc loc\_record;

BEGIN

select count(\*) into v\_nr

from locations

where lower(city) = lower(v\_loc.oras);

case

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when v_nr < 1 then dbms_output.put_line('Nu exista vreo locatie cu acest oras');
when v_nr > 1 then dbms_output.put_line('Prea multe locatii cu orasul ales');
else
    begin
        select location_id,street_address,postal_code into v_loc.id,v_loc.adr,v_loc.cp
        from locations
        where lower(city) = lower(v_loc.oras);

        dbms_output.put_line('Locatia din orasul : ' || v_loc.oras || ' are id-ul : ' || v_loc.id || ', codul
postal: ' || v_loc.cp || ' si adresa : ' || v_loc.adr);
    end;
end case;

END;

```

-- 2. Folosind un record (definit de voi sau folosind atributul rowtype), inserati un nou departament cu id-ul 1000, numele

-- Business Intelligence, condus de managerul cu id-ul 102, la locatia cu id-ul 1700. Insertul trebuie realizat in tabelul

-- dept\_\*\*\* creat de voi (\*\*\*) poate fi inlocuit cu initialele voastre).

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create table dept_ipc as select * from departments;
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DECLARE
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    v_dept    dept_ipc%ROWTYPE;
```

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BEGIN
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    v_dept.department_id := 1000;
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v_dept.department_name := 'Business Intelligence';
v_dept.manager_id := 102;
v_dept.location_id := 1700;

insert into dept_ipc
values v_dept;

END;

select * from dept_ipc;

-- 3. Stocati intr-un tablou indexat toate departamentele cu locatii in orasul Seattle.
-- Afisati numarul de departamente din tablou si apoi detaliile lor.

DECLARE

TYPE dept_table IS TABLE OF dept_ipc%ROWTYPE
INDEX BY BINARY_INTEGER;

v dept_table;

BEGIN

select d.department_id,d.department_name,d.manager_id,d.location_id bulk collect into v
from dept_ipc d, locations l
where d.location_id = l.location_id
and lower(l.city) = 'seattle';

dbms_output.put_line('Sunt ' || v.count || ' departamente in Seattle');

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dbms_output.new_line;
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for i in v.first..v.last loop
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    dbms_output.put_line(' ID : ' || v(i).department_id || ', Nume : ' || v(i).department_name || ', ID  
Manager : ' || v(i).manager_id || ', ID Locatie : ' || v(i).location_id);
```

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end loop;
```

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END;
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