**Temă Curs SGBD – S9**

**Șerba Ioana-Raluca grupa 241**

**Exercițiul 1:**

* Enunț: Ex1:   Asemanator cu exercitiul 6.2 din curs, definti o procedura stocata care primeste ca parametrii id-ul unui angajat si o valoare, si pentru angajatul cu respectivul id din tabele employees\_copy\_\*\*\* ii mareste salariul cu valoarea data ca parametru. Nu uitati sa tratati exceptia cand id-ul dat ca parametru nu se gaseste in baza de date. Apelati procedura astfel incat sa evidentiati toate cazurile posibile.
* Cod Sursă:

*--E1*/  
CREATE TABLE EMP\_COPY\_RS AS SELECT *\** FROM EMPLOYEES;  
SELECT *\** FROM EMP\_COPY\_RS;  
/  
CREATE OR REPLACE PROCEDURE *MARIRE\_SALARIU\_RS* (V\_ID IN EMPLOYEES.EMPLOYEE\_ID%TYPE, *--PARAMETRU ID* V\_BONUS IN NUMBER) *--SI VALOAREA CU CARE VA FI MARIT SALARIUL*AS  
 NO\_ANGJ\_EXC EXCEPTION;  
BEGIN  
 UPDATE EMPLOYEES  
 SET SALARY = SALARY + V\_BONUS  
 WHERE EMPLOYEE\_ID = V\_ID;  
   
 IF SQL%NOTFOUND THEN –-*DACA NU GASESTE ID-UL*  
 RAISE NO\_ANGJ\_EXC;  
 END IF;  
   
EXCEPTION  
 WHEN NO\_ANGJ\_EXC THEN  
 *RAISE\_APPLICATION\_ERROR* (-20004, 'NU EXISTA ANGAJAT CU ACEL ID');  
END;  
/  
  
BEGIN   
 *MARIRE\_SALARIU\_RS*(119, 450);  
END;  
/  
  
SELECT *\** FROM EMPLOYEES WHERE EMPLOYEE\_ID=119;

* Printscreen:

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Inainte de a rula, pentru id=119

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A crescut cum trebuia, cu 450.

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Caz exceptie:

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* Ex2:   Definiti un bloc PL/SQL în care procedura de la ex1 este apelata pentru toti salariatii dintr-un departament dat de la tastatura. Ce se intampla daca departamentul nu exista in baza de date sau daca exista, dar nu lucreaza nimeni in acel departament? Incercati sa tratati toate aceste cazuri.

Cod sursă

*--E2  
  
--SET SERVEROUTPUT ON  
--SET VERIFY OFF  
--ACCEPT P\_DEPT PROMPT 'INTRODUCETI NUMELE DEPARTAMENTULUI';  
--CEVA NU MERGE :(*DECLARE  
  
 CURSOR ANGJ\_DEPT (V\_DEPT DEPARTMENTS.DEPARTMENT\_ID%TYPE) IS  
 SELECT EMPLOYEE\_ID FROM EMP\_COPY\_RS  
 WHERE DEPARTMENT\_ID = V\_DEPT;  
   
 VCOUNT NUMBER(3) := 0;  
   
 NO\_ANGJ\_EXC EXCEPTION;  
 NO\_DEPT\_EXC EXCEPTION;  
 *--VAR\_DEPT DEPARTMENTS.DEPARTMENT\_NAME%TYPE* V\_DEPT DEPARTMENTS.DEPARTMENT\_ID%TYPE := &COD\_DEPT;  
   
BEGIN  
*-- SELECT DEPARTMENT\_ID  
-- INTO V\_DEPT  
-- FROM DEPARTMENTS  
-- WHERE UPPER(DEPARTMENT\_NAME) = UPPER(VAR\_DEPT);* SELECT COUNT(\*) INTO VCOUNT FROM DEPARTMENTS*--DACA EXISTA DEPT* WHERE DEPARTMENT\_ID = V\_DEPT;  
   
 IF VCOUNT = 0 THEN RAISE NO\_DEPT\_EXC;  
 END IF;  
   
 SELECT COUNT(\*) INTO VCOUNT FROM EMP\_COPY\_RS *--DACA EXISTA ANGJ* WHERE DEPARTMENT\_ID = V\_DEPT;  
   
 IF VCOUNT = 0 THEN RAISE NO\_ANGJ\_EXC;  
 END IF;  
   
 FOR ANGJ IN ANGJ\_DEPT(V\_DEPT) LOOP  
 *--DBMS\_OUTPUT.PUT\_LINE(ANGJ.EMPLOYEE\_ID);  
 MARIRE\_SALARIU\_RS*(ANGJ.EMPLOYEE\_ID, 50);  
 END LOOP;  
   
EXCEPTION  
 WHEN NO\_DEPT\_EXC THEN   
 DBMS\_OUTPUT.*PUT\_LINE* ('NU EXISTA DEPARTAMENTUL DAT');  
   
 WHEN NO\_ANGJ\_EXC THEN  
 DBMS\_OUTPUT.*PUT\_LINE* ('NU EXISTA ANGAJATI IN DEPARTAMENT');  
   
 WHEN OTHERS THEN  
 DBMS\_OUTPUT.*PUT\_LINE* ('ALTA EROARE');  
   
END;  
/

Printscreen:

Inainte de a rula pentru dept id = 50

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