SET SERVEROUTPUT ON;

-- Jiglau Fabrizzio 233

-- EX1

CREATE TABLE info\_233jf (

utilizator VARCHAR2(100),

data TIMESTAMP,

comanda VARCHAR2(255),

nr\_linii NUMBER,

eroare VARCHAR2(255)

);

--EX2

CREATE OR REPLACE FUNCTION f2\_233jf

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

RETURN VARCHAR2 IS

v\_salaries VARCHAR2(4000) := '';

BEGIN

-- iteram prin salariile angajatilor cu numele specificat

FOR rec IN (SELECT salary FROM employees WHERE last\_name = v\_nume) LOOP

v\_salaries := v\_salaries || rec.salary || ', ';

END LOOP;

IF v\_salaries IS NOT NULL THEN

v\_salaries := RTRIM(v\_salaries, ', ');

END IF;

INSERT INTO info\_233jf (utilizator, data, comanda, nr\_linii, eroare)

VALUES (USER, SYSTIMESTAMP, 'SELECT salary FROM employees WHERE last\_name = ' || v\_nume, 1, NULL);

-- verificam daca s-au gasit salarii

IF v\_salaries IS NULL OR v\_salaries = '' THEN

RETURN 'Nu exista angajati cu numele dat';

END IF;

RETURN v\_salaries;

EXCEPTION

WHEN OTHERS THEN

INSERT INTO info\_233jf (utilizator, data, comanda, nr\_linii, eroare)

VALUES (USER, SYSTIMESTAMP, 'SELECT salary FROM employees WHERE last\_name = ' || v\_nume, 0, 'Alta eroare!');

RETURN 'Alta eroare!';

END f2\_233jf;

/

CREATE OR REPLACE PROCEDURE p4\_233jf

(v\_nume employees.last\_name%TYPE)

IS

salariu employees.salary%TYPE;

BEGIN

-- Selectam salariul angajatului cu numele specificat

SELECT salary INTO salariu

FROM employees

WHERE last\_name = v\_nume;

INSERT INTO info\_233jf (utilizator, data, comanda, nr\_linii, eroare)

VALUES (USER, SYSTIMESTAMP, 'SELECT salary FROM employees WHERE last\_name = ' || v\_nume, 1, NULL);

DBMS\_OUTPUT.PUT\_LINE('Salariul este ' || salariu);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

INSERT INTO info\_233jf (utilizator, data, comanda, nr\_linii, eroare)

VALUES (USER, SYSTIMESTAMP, 'SELECT salary FROM employees WHERE last\_name = ' || v\_nume, 0, 'Nu exista angajati cu numele dat');

DBMS\_OUTPUT.PUT\_LINE('Nu exista angajati cu numele dat');

WHEN OTHERS THEN

INSERT INTO info\_233jf (utilizator, data, comanda, nr\_linii, eroare)

VALUES (USER, SYSTIMESTAMP, 'SELECT salary FROM employees WHERE last\_name = ' || v\_nume, 0, 'Alta eroare!');

DBMS\_OUTPUT.PUT\_LINE('Alta eroare!');

END p4\_233jf;

/

SELECT \* FROM EMPLOYEES;

DECLARE

v\_salary VARCHAR2(4000);

BEGIN

-- Apelam functiile

v\_salary := f2\_233jf('Lorentz');

DBMS\_OUTPUT.PUT\_LINE('Salariul este: ' || v\_salary);

v\_salary := f2\_233jf('Hunold');

DBMS\_OUTPUT.PUT\_LINE('Salariul este: ' || v\_salary);

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Eroare: ' || SQLERRM);

END;

/

DECLARE

v\_nume employees.last\_name%TYPE;

BEGIN

v\_nume := 'Lorentz';

p4\_233jf(v\_nume);

v\_nume := 'Hunold';

p4\_233jf(v\_nume);

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Eroare: ' || SQLERRM);

END;

/

