-- Jiglau Fabrizzio

SET SERVEROUTPUT ON;

SELECT \* FROM EMPLOYEES;

SELECT \* FROM JOBS;

SELECT \* FROM DEPARTMENTS;

--a

DECLARE

CURSOR job\_cursor IS

SELECT job\_id, job\_title FROM jobs;

v\_job\_id jobs.job\_id%TYPE;

v\_title jobs.job\_title%TYPE;

BEGIN

OPEN job\_cursor;

LOOP

FETCH job\_cursor INTO v\_job\_id, v\_title;

EXIT WHEN job\_cursor%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('--- Job: ' || v\_title ||' ---');

FOR emp IN (SELECT first\_name, salary FROM employees WHERE job\_id = v\_job\_id) LOOP

DBMS\_OUTPUT.PUT\_LINE(emp.first\_name || ' Salary: ' || emp.salary);

END LOOP;

IF SQL%ROWCOUNT = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('!No employees.');

END IF;

END LOOP;

CLOSE job\_cursor;

END;

/

--b

DECLARE

CURSOR job\_cursor IS

SELECT job\_id, job\_title FROM jobs;

BEGIN

FOR job IN job\_cursor LOOP

DBMS\_OUTPUT.PUT\_LINE('--- Job: ' || job.job\_title || ' ---');

FOR emp IN (SELECT first\_name, salary FROM employees WHERE job\_id = job.job\_id) LOOP

DBMS\_OUTPUT.PUT\_LINE(emp.first\_name || ' Salary: ' || emp.salary);

END LOOP;

IF SQL%ROWCOUNT = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('!No employees.');

END IF;

END LOOP;

END;

/

--c

BEGIN

FOR job IN (SELECT job\_id, job\_title FROM jobs) LOOP

DBMS\_OUTPUT.PUT\_LINE('--- Job: ' || job.job\_title || ' ---');

FOR emp IN (SELECT first\_name, salary FROM employees WHERE job\_id = job.job\_id) LOOP

DBMS\_OUTPUT.PUT\_LINE(emp.first\_name || ' Salary: ' || emp.salary);

END LOOP;

IF SQL%ROWCOUNT = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('!No employees.');

END IF;

END LOOP;

END;

/

--d

DECLARE

TYPE ref\_cursor IS REF CURSOR;

v\_cursor ref\_cursor;

v\_job\_id jobs.job\_id%TYPE;

v\_title jobs.job\_title%TYPE;

v\_emp\_name employees.first\_name%TYPE;

v\_emp\_salary employees.salary%TYPE;

BEGIN

OPEN v\_cursor FOR

SELECT job\_id, job\_title FROM jobs;

LOOP

FETCH v\_cursor INTO v\_job\_id, v\_title;

EXIT WHEN v\_cursor%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('--- Job: ' || v\_title || ' ---');

FOR emp IN (SELECT first\_name, salary FROM employees WHERE job\_id = v\_job\_id) LOOP

DBMS\_OUTPUT.PUT\_LINE(emp.first\_name || ' Salary: ' || emp.salary);

END LOOP;

IF SQL%ROWCOUNT = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('!No employees.');

END IF;

END LOOP;

CLOSE v\_cursor;

END;

/





