1.

SET SERVEROUTPUT ON

DECLARE

CONT INTEGER;

BEGIN

SELECT COUNT(\*) INTO CONT FROM EMPLOYEES;

DBMS\_OUTPUT.PUT\_LINE('NÚMERO DE REGISTROS DE LA TABLA EMPLOYEES: ' || CONT);

END;

2.

SET SERVEROUTPUT ON

DECLARE

IDEMPLEADO EMPLOYEES.EMPLOYEE\_ID%TYPE;

NOMBRE EMPLOYEES.FIRST\_NAME%TYPE;

APELLIDO EMPLOYEES.LAST\_NAME%TYPE;

SALARIO EMPLOYEES.SALARY%TYPE;

NOMDEP DEPARTMENTS.DEPARTMENT\_NAME%TYPE;

FORERRORS INTEGER;

NODEPARTMENT EXCEPTION;

BEGIN

IDEMPLEADO := &DAMEDAME;

SELECT COUNT(\*) INTO FORERRORS FROM EMPLOYEES WHERE EMPLOYEE\_ID=IDEMPLEADO;

SELECT FIRST\_NAME, LAST\_NAME, SALARY, DEPARTMENT\_NAME INTO NOMBRE, APELLIDO, SALARIO, NOMDEP

FROM EMPLOYEES JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT\_ID=DEPARTMENTS.DEPARTMENT\_ID WHERE

EMPLOYEES.EMPLOYEE\_ID=IDEMPLEADO;

DBMS\_OUTPUT.PUT\_LINE('NOMBRE: ' || NOMBRE || ' || APELLIDO: ' || APELLIDO || ' || SALARIO: ' || SALARIO || ' || NOMBRE DEPARTAMENTO: ' || NOMDEP);

SELECT DEPARTMENT\_ID INTO FORERRORS FROM EMPLOYEES WHERE EMPLOYEE\_ID=IDEMPLEADO;

IF FORERRORS IS NULL

THEN

RAISE NODEPARTMENT;

END IF;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN DBMS\_OUTPUT.PUT\_LINE('NO SE HA ENCONTRADO UN EMPLEADO CON ESE ID');

WHEN NODEPARTMENT THEN DBMS\_OUTPUT.PUT\_LINE('EL EMPLEADO SELECCIONADO NO TIENE ASIGNADO NINGÚN DEPARTAMENTO');

WHEN OTHERS THEN DBMS\_OUTPUT.PUT\_LINE('SE HA PRODUCIDO UN ERROR NO CONTEMPLADO. VUELVE A INTENTARLO');

END;

3.

SET SERVEROUTPUT ON

DECLARE

LETRA CHAR;

NOMBRE EMPLOYEES.FIRST\_NAME%TYPE;

APELLIDO EMPLOYEES.LAST\_NAME%TYPE;

CIUDAD LOCATIONS.CITY%TYPE;

CURSOR MICURSOR IS SELECT FIRST\_NAME, LAST\_NAME, CITY FROM EMPLOYEES

JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT\_ID=DEPARTMENTS.DEPARTMENT\_ID

JOIN LOCATIONS ON DEPARTMENTS.LOCATION\_ID=LOCATIONS.LOCATION\_ID

WHERE SUBSTR(LAST\_NAME, 1, 1) = LETRA;

BEGIN

LETRA := UPPER('&DAMEDAME');

OPEN MICURSOR;

FETCH MICURSOR INTO NOMBRE, APELLIDO, CIUDAD;

WHILE MICURSOR%FOUND

LOOP

DBMS\_OUTPUT.PUT\_LINE('NOMBRE: ' || NOMBRE || ' || APELLIDO: ' || APELLIDO || ' || CIUDAD: ' || CIUDAD );

FETCH MICURSOR INTO NOMBRE, APELLIDO, CIUDAD;

END LOOP;

CLOSE MICURSOR;

END;

4.

CREATE OR REPLACE FUNCTION POTENCIA2(N INTEGER) RETURN INTEGER

IS

DOS INTEGER;

BEGIN

DOS := 2;

FOR I IN 2 .. N

LOOP

DOS := DOS \* 2;

END LOOP;

RETURN DOS;

END POTENCIA2;

5.

CREATE OR REPLACE PROCEDURE LISTA\_EMPLEADOS(MINIMO INTEGER, MAXIMO INTEGER)

IS

CURSOR MICURSOR IS SELECT FIRST\_NAME FROM EMPLOYEES WHERE SALARY >= MINIMO AND SALARY <= MAXIMO;

NOMBRE EMPLOYEES.FIRST\_NAME%TYPE;

BEGIN

OPEN MICURSOR;

FETCH MICURSOR INTO NOMBRE;

WHILE MICURSOR%FOUND

LOOP

DBMS\_OUTPUT.PUT\_LINE(NOMBRE);

FETCH MICURSOR INTO NOMBRE;

END LOOP;

CLOSE MICURSOR;

END;

6.

CREATE TABLE LOGGING\_(

NOMBRE VARCHAR2(100),

APELLIDO VARCHAR2(100),

TIPO\_CAMBIO VARCHAR2(100),

ANTIGUO INTEGER,

NUEVO INTEGER);

CREATE OR REPLACE TRIGGER TRIGGERZITO BEFORE UPDATE OF SALARY, DEPARTMENT\_ID OR INSERT ON

EMPLOYEES

FOR EACH ROW

DECLARE

BEGIN

IF UPDATING ('SALARY')

THEN

INSERT INTO LOGGING\_ VALUES(:OLD.FIRST\_NAME, :OLD.LAST\_NAME,

'SALARY', :OLD.SALARY, :NEW.SALARY);

END IF;

IF UPDATING ('DEPARTMENT\_ID')

THEN

INSERT INTO LOGGING\_ VALUES(:OLD.FIRST\_NAME, :OLD.LAST\_NAME,

'DEPARTMENT\_ID', :OLD.DEPARTMENT\_ID, :NEW.DEPARTMENT\_ID);

END IF;

IF INSERTING

THEN

INSERT INTO LOGGING\_ VALUES (:NEW.FIRST\_NAME, :NEW.LAST\_NAME,

'NUEVO EMPLEADO',NULL,:NEW.SALARY);

END IF;

END;

7.

SET SERVEROUTPUT ON

CREATE OR REPLACE PROCEDURE MOSTRAR\_EMP(CIUDAD LOCATIONS.CITY%TYPE)

IS

NOMBRE\_EMP EMPLOYEES.FIRST\_NAME%TYPE;

APE\_EMP EMPLOYEES.LAST\_NAME%TYPE;

NOMBRE\_DEP DEPARTMENTS.DEPARTMENT\_NAME%TYPE;

CURSOR MICURSOR IS SELECT FIRST\_NAME, LAST\_NAME, DEPARTMENT\_NAME FROM EMPLOYEES JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT\_ID=DEPARTMENTS.DEPARTMENT\_ID JOIN LOCATIONS ON DEPARTMENTS.LOCATION\_ID

=LOCATIONS.LOCATION\_ID WHERE CITY=CIUDAD;

CUENTA INTEGER;

NO\_EMPLEADOS EXCEPTION;

BEGIN

SELECT COUNT(\*) INTO CUENTA FROM EMPLOYEES JOIN DEPARTMENTS ON EMPLOYEES.DEPARTMENT\_ID=DEPARTMENTS.DEPARTMENT\_ID JOIN LOCATIONS ON DEPARTMENTS.LOCATION\_ID

=LOCATIONS.LOCATION\_ID WHERE CITY=CIUDAD GROUP BY EMPLOYEES.FIRST\_NAME;

IF CUENTA=0 THEN

RAISE NO\_EMPLEADOS;

END IF;

OPEN MICURSOR;

FETCH MICURSOR INTO NOMBRE\_EMP, APE\_EMP, NOMBRE\_DEP;

WHILE MICURSOR%FOUND LOOP

DBMS\_OUTPUT.PUT\_LINE('NOMBRE: ' || NOMBRE\_EMP || ' APELLIDO: ' || APE\_EMP || ' DEPARTAMENTO: '|| NOMBRE\_DEP );

FETCH MICURSOR INTO NOMBRE\_EMP, APE\_EMP, NOMBRE\_DEP;

END LOOP;

CLOSE MICURSOR;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN DBMS\_OUTPUT.PUT\_LINE('NO SE HA ENCONTRADO CIUDAD');

WHEN NO\_EMPLEADOS THEN DBMS\_OUTPUT.PUT\_LINE('NO HAY EMPLEADOS MOSTRO');

WHEN OTHERS THEN DBMS\_OUTPUT.PUT\_LINE('ERROR DESCONOCIDO MAKINA');

END;

Fechas

Interfaz de usuario gráfica, Texto, Aplicación

Descripción generada automáticamente