

## PRACTICA CURSORES 2

- 1) Generar un cursor que ejecutó lo siguiente:
  - A. Debe evaluar cada departamento para obtener el número de empleados, dirección, la ciudad y el código postal de cada departamento.
  - B. Debe insertar la data obtenida en una tabla temporal.
  - C. Tenga en cuenta que puede usar 1, 2 o más cursores para obtener la información.

```
--C. Tenga en cuenta que puede usar 1, 2
CREATE TABLE TM_DEPA (
    EMPLEADOS NUMBER,
    DIRECCION VARCHAR2 (40),
    CIUDAD VARCHAR2 (30),
    POSTAL_CODE VARCHAR2 (12)
);

SET SERVEROUTPUT ON

DECLARE
```

Salida de Script x Resultado de la Consulta x

Tarea terminada en 0.073 segundos

Table TM\_DEPA creado.

```
Hoja de Trabajo Generador de Consultas

DECLARE
    CURSOR C1 IS SELECT * FROM DEPARTMENTS;
    CURSOR C2(P_LOCATION_ID NUMBER) IS SELECT * FROM LOCATIONS WHERE LOCATION_ID = P_LOCATION_ID;
    v_DEPARTMENTS DEPARTMENTS%ROWTYPE;
    v_LOCATION LOCATIONS%ROWTYPE;
    v_EMPLEADOS NUMBER;
BEGIN
    FOR i IN C1 LOOP
        v_DEPARTMENTS := i; -- TOMAR NOTA FOREACH --> FETCH ES AUTOMATICO, ACA SOLO LO ASIGNO
        SELECT COUNT(*) INTO v_EMPLEADOS FROM EMPLOYEES WHERE DEPARTMENT_ID = v_DEPARTMENTS.DEPARTMENT_ID;

        OPEN C2(v_DEPARTMENTS.LOCATION_ID);
        FETCH C2 INTO v_LOCATION;
        CLOSE C2;
```

```

CLOSE #2;

-- Realizar la inserción en la tabla TEMPORAL
INSERT INTO TM_DEPA VALUES (v_EMPLEADOS, v_LOCATION.STREET_ADDRESS, v_LOCATION.CITY, v_LOCATION.POSTAL_CODE);
-- SE INSERTA LOS SIGUIENTE
DBMS_OUTPUT.PUT_LINE('Department ID: ' || v_DEPARTMENTS.DEPARTMENT_ID || ', Employees: ' || v_EMPLEADOS || ', Location: ' || v_LOCATION.STREET_ADDRESS || ', City: ' || v_LOCATION.CITY || ', Postal Code: ' || v_LOCATION.POSTAL_CODE);
END LOOP;
COMMIT;
END;
SELECT * FROM TM_DEPA;
TRUNCATE TABLE TM_DEPA;
DROP TABLE TM_DEPA;
COMMIT;

```

Table TM_DEPA creado.	
Department ID: 10, Employees: 1, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 20, Employees: 2, Location: 147 Spadina Ave, Toronto, M5V 2L7	
Department ID: 30, Employees: 6, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 40, Employees: 1, Location: 8204 Arthur St, London,	
Department ID: 50, Employees: 45, Location: 2011 Interiors Blvd, South San Francisco, 99236	
Department ID: 60, Employees: 5, Location: 2014 Jabberwocky Rd, Southlake, 26192	
Department ID: 70, Employees: 1, Location: Schwanthalerstr. 7031, Munich, 80925	
Department ID: 80, Employees: 34, Location: Magdalen Centre, The Oxford Science Park, Oxford, OX9 9ZB	
Department ID: 90, Employees: 3, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 100, Employees: 6, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 110, Employees: 2, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 120, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 130, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 140, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 150, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 160, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 170, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Department ID: 180, Employees: 0, Location: 2004 Charade Rd, Seattle, 98199	
Mensajes - Log	

SELECT \* FROM TM\_DEPA;  
TRUNCATE TABLE TM\_DEPA ;

Salida de Script x Resultado de la Consulta x

SQL | Todas las Filas Recuperadas: 27 en 0.01 segundos

EMPLEADOS	DIRECCION	CIUDAD	POSTAL_CODE
4	1 8204 Arthur St	London	(null)
5	45 2011 Interiors Blvd	South San Francisco	99236
6	5 2014 Jabberwocky Rd	Southlake	26192
7	1 Schwanthalerstr. 7031	Munich	80925
8	34 Magdalen Centre, The Oxford Science Park	Oxford	OX9 9ZB
9	3 2004 Charade Rd	Seattle	98199
10	6 2004 Charade Rd	Seattle	98199
11	2 2004 Charade Rd	Seattle	98199
12	0 2004 Charade Rd	Seattle	98199
13	0 2004 Charade Rd	Seattle	98199
14	0 2004 Charade Rd	Seattle	98199
15	0 2004 Charade Rd	Seattle	98199
16	0 2004 Charade Rd	Seattle	98199

Mensajes - Log

Mensajes | Página de Registro x | Sentencias x

## VER CODIGO EN TEXTO PLANO

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departamento.
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la información.
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  DIRECCION VARCHAR2 (40),
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DECLARE
  CURSOR C1 IS SELECT * FROM DEPARTMENTS;
  CURSOR C2(P_LOCATION_ID NUMBER) IS SELECT * FROM LOCATIONS WHERE
LOCATION_ID = P_LOCATION_ID;
  v_DEPARTMENTS DEPARTMENTS%ROWTYPE;
  v_LOCATION LOCATIONS%ROWTYPE;
  v_EMPLEADOS NUMBER;
BEGIN
  FOR i IN C1 LOOP
```

```

        v_DEPARTMENTS := i; -- TOMAR NOTA FOREACH --> FETCH ES AUTOMATICO,
ACA SOLO LO ASIGNO
        SELECT COUNT(*) INTO v_EMPLEADOS FROM EMPLOYEES WHERE
DEPARTMENT_ID = v_DEPARTMENTS.DEPARTMENT_ID;

        OPEN C2(v_DEPARTMENTS.LOCATION_ID);
        FETCH C2 INTO v_LOCATION;
        CLOSE C2;

        -- Realizar la inserción en la tabla TEMPORAL
        INSERT INTO TM_DEPA VALUES (v_EMPLEADOS,
v_LOCATION.STREET_ADDRESS, v_LOCATION.CITY, v_LOCATION.POSTAL_CODE);
        -- SE INSERTA LOS SIGUIENTE
        DBMS_OUTPUT.PUT_LINE('Department ID: ' ||
v_DEPARTMENTS.DEPARTMENT_ID || ', Employees: ' || v_EMPLEADOS || ',
Location: ' || v_LOCATION.STREET_ADDRESS || ', ' || v_LOCATION.CITY ||
', ' || v_LOCATION.POSTAL_CODE);
        END LOOP;
        COMMIT;
END;
SELECT * FROM TM_DEPA;
TRUNCATE TABLE TM_DEPA ;
DROP TABLE TM_DEPA;
COMMIT ;

```