YEHOR BURLACHENKO

Bases de datos

Actividades del tema 9

**Tarea:** Realizar 15 consultas utilizando insert, update, delete y truncate. Añadir commits, rollbacks, savepoints.

**Consultas.**

1. Insertar un encargo nuevo a la tabla Jobs con un savepoint.

SAVEPOINT inicio;

INSERT INTO jobs VALUES ('B\_SIT', 'Baby Sitter', 500, 55000);

Resultado:



1. Insertar nuevo departamiento a la tabla departments.

INSERT INTO departments (department\_id, department\_name, manager\_id, location\_id)

SELECT MAX(department\_id) + 10, 'Babysitting Services', NULL, 1500

FROM departments;

Resultado:



1. Insertar un nuevo empleado con encargo y departamieno insertado, hacemos un commit y creamos un savepoint.

INSERT INTO employees (employee\_id, first\_name, last\_name, email, phone\_number,hire\_date, job\_id, salary, commission\_pct, manager\_id, department\_id)

SELECT MAX(employee\_id) + 1, 'Jonny', 'Sins', 'BIGHEAD', '555.555.4322' , SYSDATE, 'B\_SIT', 55000, null, null, 280 FROM employees;

COMMIT;

SAVEPOINT JONNY;

Resultado:



1. Cambiar el salario del empleado Jonny Sins a 50000.

UPDATE employees

SET salary = 50000

WHERE first\_name = 'Jonny' AND last\_name = 'Sins';

Resultado:



1. Insertar otro empleado con el mismo encargo con el savepoint.

INSERT INTO employees (employee\_id, first\_name, last\_name, email, phone\_number,hire\_date, job\_id, salary, commission\_pct, manager\_id, department\_id)

SELECT MAX(employee\_id) + 1, 'Michael', 'Jordan', 'goodman', '444.555.4322' , SYSDATE, 'B\_SIT', 5000, null, null, 280 FROM employees;  
  
SAVEPOINT michael;

Resultado:



1. Hacemos un error global, pero por tener un savepoint, podemos hacer un rollback.

SAVEPOINT michael;

DELETE FROM job\_history;

ROLLBACK michael;

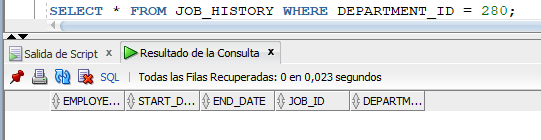
1. Eliminar de la tabla job\_history departamento 280 y confirmamos.

DELETE FROM job\_history

WHERE department\_id = 280;

COMMIT;

Resultado:



1. Sin querer asignamos a todos los empleados el salario a 8999 y volvemos al savepoint.

SAVEPOINT point;

UPDATE employees

SET salary = 8999;

ROLLBACK;

1. Insertamos 10 empleados a los departamentos distintos

INSERT INTO employees (employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id, salary, commission\_pct, manager\_id, department\_id)

SELECT MAX(employee\_id) + 1, 'Lucas', 'Ramírez', 'lramirez', '444.555.1001', SYSDATE, 'IT\_PROG', 5000, 0.25, NULL, 60 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 2, 'Sofía', 'González', 'sgonzalez', '444.555.1002', SYSDATE, 'SA\_MAN', 7000, 0.15, 101, 80 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 3, 'Mateo', 'Fernández', 'mfernandez', '444.555.1003', SYSDATE, 'AC\_MGR', 8200, 0.10, 102, 10 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 4, 'Valentina', 'López', 'vlopez', '444.555.1004', SYSDATE, 'PU\_CLERK', 4500, 0.25, 103, 30 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 5, 'Javier', 'Torres', 'jtorres', '444.555.1005', SYSDATE, 'MK\_MAN', 9000, 0.15, 104, 20 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 6, 'Camila', 'Díaz', 'cdiaz', '444.555.1006', SYSDATE, 'HR\_REP', 4600, 0.10, NULL, 40 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 7, 'Alejandro', 'Castro', 'acastro', '444.555.1007', SYSDATE, 'FI\_ACCOUNT', 4200, 0.25, 105, 100 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 8, 'Martina', 'Pérez', 'mperez', '444.555.1008', SYSDATE, 'ST\_MAN', 5500, 0.15, NULL, 50 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 9, 'Tomás', 'Silva', 'tsilva', '444.555.1009', SYSDATE, 'SA\_REP', 6000, 0.10, 106, 80 FROM employees

UNION ALL

SELECT MAX(employee\_id) + 10, 'Elena', 'Mendoza', 'emendoza', '444.555.1010', SYSDATE, 'AD\_VP', 15000, 0.25, 107, 90 FROM employees;

Resultado:



1. Insertar un nuevo cargo a la tabla Jobs.

SAVEPOINT job1;

INSERT INTO jobs VALUES ('G\_DES', 'Graphic Designer', 6000, 75000);

COMMIT;

Resultado:



1. Insertar nuevo departamiento a la tabla departments.

SAVEPOINT department1;

INSERT INTO departments (department\_id, department\_name, manager\_id, location\_id)

SELECT MAX(department\_id) + 1, 'Marketing and Communications', NULL, 2000 FROM departments;

COMMIT;

Resultado:



1. Insertar a un empleado con el cargo G\_DES.

SAVEPOINT employee1;

INSERT INTO employees (employee\_id, first\_name, last\_name, email, phone\_number, hire\_date, job\_id, salary, commission\_pct, manager\_id, department\_id)

SELECT MAX(employee\_id) + 1, 'Isabella', 'Martinez', 'imartinez', '444.555.1011', SYSDATE, 'G\_DES', 6500, 0.20, NULL, 60 FROM employees;

COMMIT;

Resultado:



1. Subir el salario al empleado Jonny Sins a 60000.

SAVEPOINT updateSalary1;

UPDATE employees

SET salary = 60000

WHERE first\_name = 'Jonny' AND last\_name = 'Sins';

COMMIT;

Resultado:



1. Eliminar a empleado Michael Jordan.

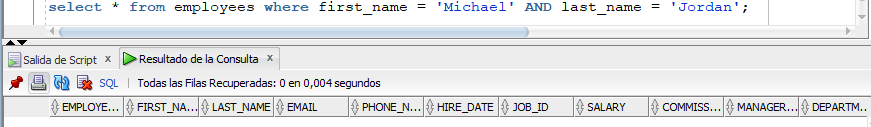
SAVEPOINT deleteEmployee1;

DELETE FROM employees

WHERE first\_name = 'Michael' AND last\_name = 'Jordan';

COMMIT;

Resultado:



1. Vaciar la tabla job\_history.

TRUNCATE TABLE job\_history;

Resultado:

