



Informe Parcial

- Tabla Employee: sin modificaciones y eliminaciones

The screenshot shows the pgAdmin 4 interface. On the left, the 'employee' table is selected under the 'Tables' tree. The 'Columns' tab is active, showing the following columns: id_employee, fullname, branchid_employee, departmentid_employee, positionid_employee, addressid_employee, and supervisorid_employee. On the right, the 'Query Editor' shows a SQL query: `SELECT id_employee, fullname, branchid_employee, departmentid_employee, positionid_employee, addressid_employee, supervisorid_employee FROM public.employee;`. The 'Data Output' tab shows the results of the query, which are 6 rows of employee data.

id_employee	fullname	branchid_employee	departmentid_employee	positionid_employee	addressid_employee	supervisorid_employee
12374856	Lina Mendoza	11111	74874125	1234	100	1
23141771	Carlos Pinilla	22222	14528464	7485	200	2
32456417	Laura Rojas	33333	42536871	9856	300	3
47852671	Pablo Correa	44444	9641364	7412	400	4
58964872	Juan Moreno	55555	54268413	1254	500	5
69874134	Angie rojas	66666	98742365	6502	600	6

- Se procedió a realizar la modificación de la tabla employee, mediante el trigger con el siguiente código. Luego vemos que la modificación se realizó.

UPDATE employee

set fullname = 'Pablo Rojas'

where id_employee = '47852671',

The screenshot shows the pgAdmin 4 interface. On the left, the 'employee' table is selected under the 'Tables' tree. The 'Columns' tab is active, showing the same columns as in the previous screenshot. On the right, the 'Query Editor' shows the same SQL query: `SELECT id_employee, fullname, branchid_employee, departmentid_employee, positionid_employee, addressid_employee, supervisorid_employee FROM public.employee;`. The 'Data Output' tab shows the results of the query, which are 6 rows of employee data. The row with id_employee 47852671 now has the fullname 'Pablo Rojas', indicating the update was successful.

id_employee	fullname	branchid_employee	departmentid_employee	positionid_employee	addressid_employee	supervisorid_employee
12374856	Lina Mendoza	11111	74874125	1234	100	1
23141771	Carlos Pinilla	22222	14528464	7485	200	2
32456417	Laura Rojas	33333	42536871	9856	300	3
47852671	Pablo Rojas	55555	54268413	1254	500	5
58964872	Juan Moreno	66666	98742365	6502	600	6
69874134	Angie rojas	44444	9641364	7412	400	4

Successfully run. Total query runtime: 96 msec. 6 rows affected.



- Actualización de la tabla employeeAudit

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, including tables like address, branchoffice, city, country, department, employee, position1, supervisor, and triggers. The main window shows a SQL query in the Query Editor:

```
1 SELECT id_employee, fullname, branchoffice, department, supervisor, position1, address, city, country, event1, registeredat
2 FROM public.employeeaudit;
```

The Data Output tab shows the results of the query:

id_employee	fullname	branchoffice	department	supervisor	position1	address	city	country
47852671	Pablo Correa	44444	9641364	4	7412	400	Bogota	Mexico

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```
1 SELECT id_employee, fullname, branchoffice, department, supervisor, position1, address, city, country, event1, registeredat
2 FROM public.employeeaudit;
```

The Data Output tab shows the results of the query:

id_employee	fullname	branchoffice	department	supervisor	position1	address	city	country	event1	registeredat
9641364		4	7412	400	Bogota	Mexico	UPDATE	2021-09-16		



- Verificación eliminación del registro id= 23141771

pgAdmin 4 interface showing the 'employee' table structure and data. The table has 7 columns: id_employee, fullname, branchid_employee, departmentid_employee, positionid_employee, addressid_employee, and supervisorid_employee. The data output shows 6 rows, with the second row (id 23141771) highlighted.

	id_employee	fullname	branchid_employee	departmentid_employee	positionid_employee	addressid_employee	supervisorid_employee
1	12374856	Lina Mendoza	11111	74874125	1234	100	1
2	23141771	Carlos Pinilla	22222	14528464	7485	200	2
3	32456417	Laura Rojas	33333	42536871	9856	300	3
4	58964872	Juan Moreno	55555	54268413	1254	500	5
5	69874134	Angie rojas	66666	98742365	6502	600	6
6	47852671	Pablo Rojas	44444	9641364	7412	400	4

pgAdmin 4 interface showing the 'employee' table structure and data after deletion. The table has 7 columns: id_employee, fullname, branchid_employee, departmentid_employee, positionid_employee, addressid_employee, and supervisorid_employee. The data output shows 5 rows, with the row with id 23141771 removed. A status message at the bottom indicates: 'Successfully run. Total query runtime: 174 msec. 5 rows affected.'

	id_employee	fullname	branchid_employee	departmentid_employee	positionid_employee	addressid_employee	supervisorid_employee
1	12374856	Lina Mendoza	11111	74874125	1234	100	1
2	32456417	Laura Rojas	33333	42536871	9856	300	3
3	58964872	Juan Moreno	55555	54268413	1254	500	5
4	69874134	Angie rojas	66666	98742365	6502	600	6
5	47852671	Pablo Rojas	44444	9641364	7412	400	4

Successfully run. Total query runtime: 174 msec. 5 rows affected.

David Leonardo Barrera López
Materia - Base De Datos 2
Docente Fabian Peña
2021 - II



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pgAdmin 4

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Query Editor

```
1 SELECT id_employee, fullname, branchoffice, department, supervisor, position1, address, city, country, event1, registeredat
2 FROM public.employeeaudit;
3
```

Data Output

id_employee	fullname	branchoffice	department	supervisor	position1	address	city	country	event1	registeredat
1	47852671	Pablo Correa	44444	9641364	4	7412	400	Bogota	Mexico	2021-09-16
2	23141771	Carlos Pinilla	22222	14528464	2	7485	200	Bogota	Estados Unidos	2021-09-16

pgAdmin 4

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Query Editor

```
1 SELECT id_employee, fullname, branchoffice, department, supervisor, position1, address, city, country, event1, registeredat
2 FROM public.employeeaudit;
3
```

Data Output

id_employee	fullname	branchoffice	department	supervisor	position1	address	city	country	event1	registeredat
1	47852671	Pablo Correa	44444	9641364	4	7412	400	Bogota	Mexico	2021-09-16
2	23141771	Carlos Pinilla	22222	14528464	2	7485	200	Bogota	Estados Unidos	2021-09-16



- Finalmente se realizó la creación de la vista MATERIALIZED, para poder ver las sucursales

The screenshot shows the pgAdmin 4 interface. On the left, the 'Browser' pane displays the database structure, including 'Materialized Views (1)' with 'vista_sucursal3' and its columns: 'nombre_dpto', 'cargo', and 'nombre_branch'. The main 'Query Editor' pane shows the SQL script for creating the materialized view:

```
1 CREATE MATERIALIZED VIEW Vista_sucursal3 AS
2 select
3 (department.nombre_dpto) as Nombre_DPTO,
4 (position1.nombre_position1) as Cargo,
5 branchoffice.nombre_branch
6 from department, position1, branchoffice, employee
7 where department.id_department = employee.departmentid_employee
8 and position1.id_position = employee.positionid_employee
9 and branchoffice.id_branch = employee.branchid_employee
10 and branchoffice.nombre_branch='Tienda'
11 order by (department.nombre_dpto);
12
13 select * from Vista_sucursal3;
```

Below the query editor, the 'Data Output' pane displays the results of the query in a table:

	nombre_dpto character varying (35)	cargo character varying (35)	nombre_branch character varying (45)
1	Commercial	Ingeniero	Tienda
2	marketing	Tesorero	Tienda