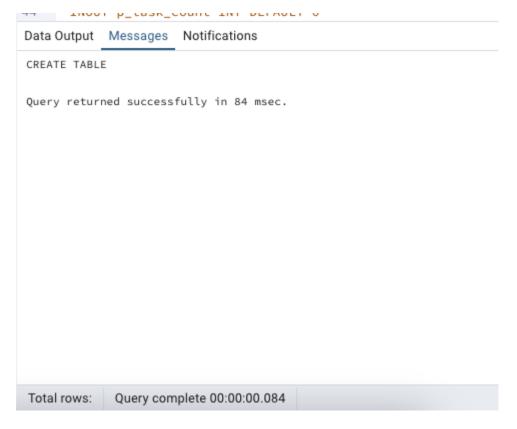
1. Create AFTER UPDATE trigger to track product price changes

Create product_price_audit table with below columns:

```
audit_id SERIAL PRIMARY KEY,
    product_id INT,
    product_name VARCHAR(40),
    old_price DECIMAL(10,2),
    new_price DECIMAL(10,2),
    change_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    user_name VARCHAR(50) DEFAULT CURRENT_USER
```



· Create a trigger function with the below logic:

```
INSERT INTO product_price_audit (
    product_id,
    product_name,
```

```
old_price,
         new_price
      )
      VALUES (
         OLD.product_id,
         OLD.product_name,
         OLD.unit_price,
         NEW.unit_price
      );
Data Output Messages Notifications
CREATE FUNCTION
Query returned successfully in 35 msec.
Total rows: Query complete 00:00:00.035
```

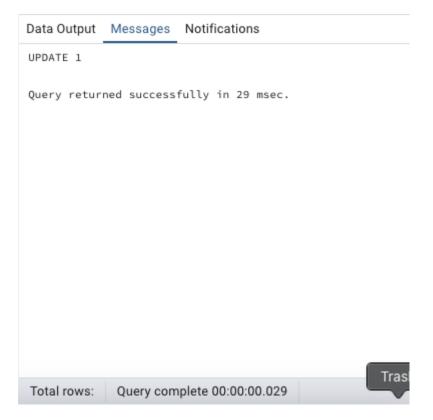
Create a row level trigger for below event:

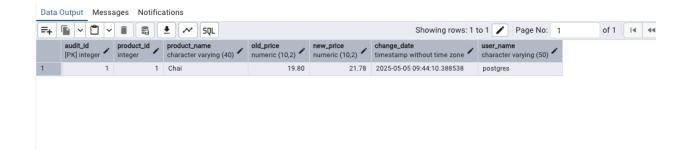
AFTER UPDATE OF unit_price ON products



Total rows: Query complete 00:00:00.035

Test the trigger by updating the product price by 10% to any one product_id.





- 2. Create stored procedure using IN and INOUT parameters to assign tasks to employees
 - Parameters:

```
IN p_employee_id INT,
IN p_task_name VARCHAR(50),
INOUT p_task_count INT DEFAULT 0
```

· Inside Logic: Create table employee tasks:

```
CREATE TABLE IF NOT EXISTS employee_tasks (
    task_id SERIAL PRIMARY KEY,
    employee_id INT,
    task_name VARCHAR(50),
    assigned_date DATE DEFAULT CURRENT_DATE
);
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 52 msec.

Total rows: Query complete 00:00:00.052

- · Insert employee_id, task_name into employee_tasks
- · Count total tasks for employee and put the total count into p_task_count .
- Raise NOTICE message:
 RAISE NOTICE 'Task "%" assigned to employee %. Total tasks: %',
 p_task_name, p_employee_id, p_task_count;

Data Output Messages Notifications

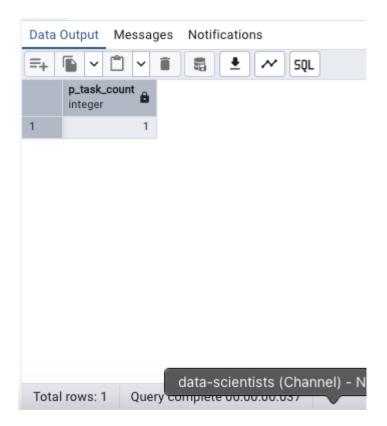
CREATE PROCEDURE

Query returned successfully in 26 msec.

Total rows: Query complete 00:00:00.026

After creating stored procedure test by calling it:

CALL assign_task(1, 'Review Reports');



You should see the entry in employee_tasks table.

