**DAY-9**

**CREATE OR REPLACE PROCEDURE assign\_task(**

**IN p\_employee\_id INT,**

**IN p\_task\_name VARCHAR(50),**

**INOUT p\_task\_count INT DEFAULT 0**

**)**

**LANGUAGE plpgsql**

**AS $$**

**BEGIN**

**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**

**);**

**INSERT INTO employee\_tasks (employee\_id, task\_name)**

**VALUES (p\_employee\_id, p\_task\_name);**

**SELECT COUNT(\*) INTO p\_task\_count**

**FROM employee\_tasks**

**WHERE employee\_id = p\_employee\_id;**

**RAISE NOTICE 'Task "%" assigned to employee %. Total tasks: %',**

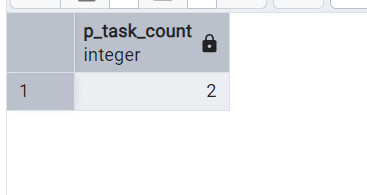
**p\_task\_name, p\_employee\_id, p\_task\_count;**

**END;**

**$$;**

**CALL assign\_task(1, 'Review Reports');**

**Output**

****

**--2. Create AFTER UPDATE trigger to track product price changes**

**--1. Create product\_price\_audit Table**

**CREATE TABLE product\_price\_audit (**

**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**

**);**

**--2. Create Trigger Function**

**CREATE OR REPLACE FUNCTION track\_price\_change()**

**RETURNS TRIGGER AS $$**

**BEGIN**

**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**

**);**

**--3. Create the Trigger**

**CREATE TRIGGER after\_price\_update**

**AFTER UPDATE OF unit\_price ON products**

**FOR EACH ROW**

**WHEN (OLD.unit\_price IS DISTINCT FROM NEW.unit\_price)**

**EXECUTE FUNCTION track\_price\_change();**

**---4. Test the Trigger**

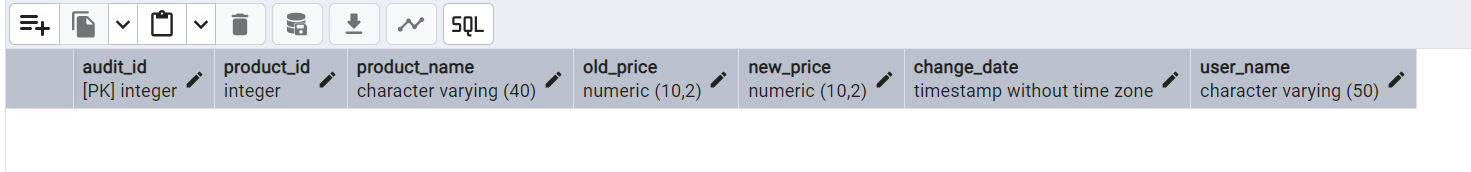
**UPDATE products**

**SET unit\_price = unit\_price \* 1.10**

**WHERE product\_id = 3;**

**---5. Verify the Audit Entry**

**SELECT \* FROM product\_price\_audit WHERE product\_id = 1 ORDER BY change\_date DESC;**

****

**A screenshot of a computer

AI-generated content may be incorrect.**