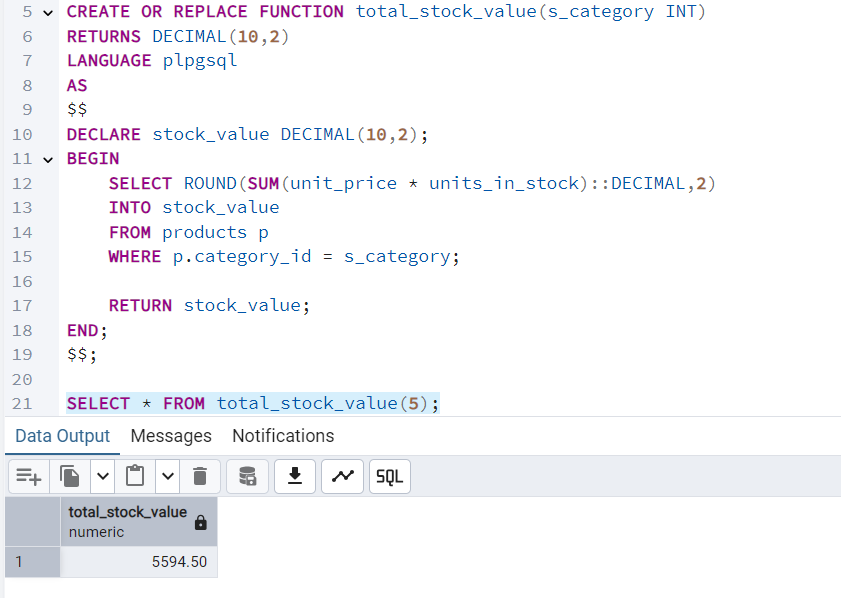
**DAY 10**

1. Write a function to Calculate the total stock value for a given category:

(Stock value=ROUND(SUM(unit\_price \* units\_in\_stock)::DECIMAL, 2)

Return data type is DECIMAL(10,2)



2. Try writing a cursor query which I executed in the training.

CREATE OR REPLACE PROCEDURE update\_price\_with\_cursor()

LANGUAGE plpgsql

AS $$

DECLARE

product\_cursor CURSOR FOR

SELECT product\_id,product\_name,unit\_price,units\_in\_stock

FROM products

WHERE discontinued = 0;

product\_record RECORD;

v\_new\_price DECIMAL(10,2);

BEGIN

--Open the cursor

OPEN product\_cursor;

LOOP

--Fetch the next row

FETCH product\_cursor INTO product\_record;

--Exit when no more rows to fetch

EXIT WHEN NOT FOUND;

--Calculate new price

IF product\_record.units\_in\_stock < 10 THEN

v\_new\_price := product\_record.unit\_price\*1.1; --increase 10%

ELSE v\_new\_price := product\_record.unit\_price\*0.95; --decrease 5%

END IF;

--Processing the fetched row: Here updating the products table with new\_price

UPDATE products

SET unit\_price = ROUND(v\_new\_price,2)

WHERE product\_id = product\_record.product\_id;

--Log the change

RAISE NOTICE 'Updated % price from % to %',

product\_record.product\_name,

product\_record.unit\_price,

v\_new\_price;

END LOOP;

--Close the CURSOR

CLOSE product\_cursor;

END;

$$;

