-----------------------Day 10 Assignment--------------------------

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)

CREATE OR REPLACE FUNCTION get\_stock\_value\_by\_category(

p\_category\_id INT

)

RETURNS DECIMAL(10,2)

LANGUAGE plpgsql

AS $$

DECLARE

v\_stock\_value DECIMAL(10,2);

BEGIN

SELECT ROUND(SUM(unit\_price \* units\_in\_stock)::DECIMAL, 2)

INTO v\_stock\_value

FROM products

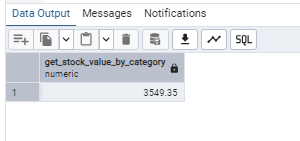
WHERE category\_id = p\_category\_id;

RETURN COALESCE(v\_stock\_value, 0.00);

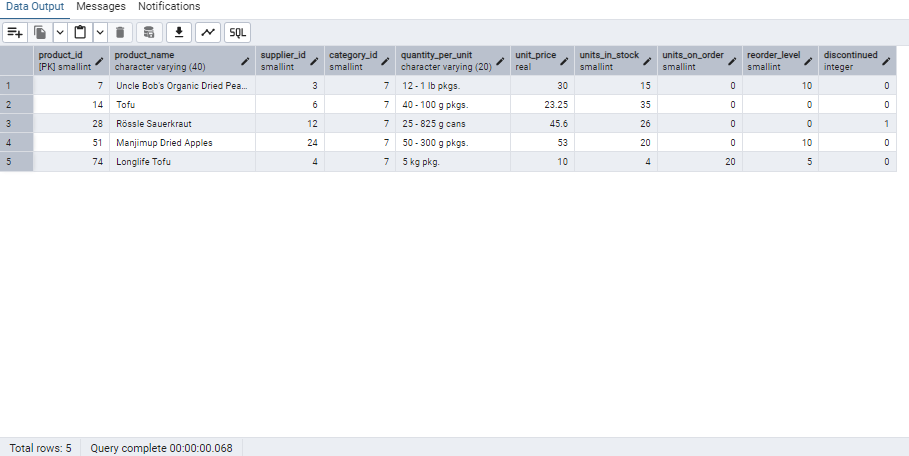
END;

$$;

SELECT get\_stock\_value\_by\_category(7);



select \*from products where category\_id =7

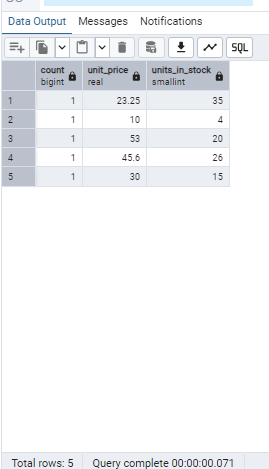
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select count(\*), unit\_price , units\_in\_stock

from products

where category\_id =7

group by unit\_price , units\_in\_stock ;

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**===========================================================================**