

## TASK#4

2. Write a query to calculate the average price of products supplied by each supplier. Exclude suppliers who have no products in the result.

```
SELECT AVG(products.price) AS average_price
FROM suppliers
JOIN products ON suppliers.supplier_id = products.supplier_id
GROUP BY suppliers.supplier_id
HAVING COUNT(products.product_id) > 0
```

Output Messages Notifications

average_price	
numeric	
135.04333333333333	
273.07000000000000	
30.62000000000000	
318.60000000000000	
35.58000000000000	
344.62000000000000	
222.53000000000000	
263.13500000000000	
279.58333333333333	
170.12000000000000	
428.68000000000000	
170.54000000000000	

1. Write a query to count the number of products in each category. Include categories with zero products in the result set.

```
SELECT DISTINCT(products.category) AS category, COALESCE(COUNT(products.product_id)) AS NumberOfProducts
FROM products
GROUP BY products.category
```

Output Messages Notifications

category	numberofproducts
character varying	bigint
believe	1
dog	2
still	1
indeed	1
develop	1
agent	2
leg	1
another	1
memory	1
kind	3
here	1
qood	1

2. Write a query to retrieve the total amount spent by each customer, along with their name and phone number. Ensure customers with no orders also appear with a total amount of 0.

```
SELECT COALESCE(SUM(orders.total_amount), 0) AS total_amount_spent,  
       customers.name,  
       customers.phone  
FROM customers  
LEFT JOIN orders ON customers.customer = orders.customer_id  
GROUP BY customers.customer, customers.name, customers.phone  
ORDER BY customers.customer;
```

Output Messages Notifications

total_amount_spent numeric	name character varying	phone text
0	Joseph Robinson	(937)452-2438x37004
380.06	Timothy Hall	+1-585-798-5830x891
0	Sandra Scott	001-574-844-6809x741
691.4	Alyssa Howe	(344)681-2421
0	Erin Ward	+1-640-549-0044
2072.16	Heather Cox	353.683.5816x9857
2004.14	Lindsay Jacobs	395.874.3265x706
0	Sarah Aguilar	(638)344-6371x517
455.66	Paul Johnson	(619)226-8584x07891
867.46	John Nguyen	2946243364
0	Rick Dunlap	410-229-8067x48037
1545.69	Rebecca Cabrera	(257)234-2677