HOMEWORK WEEK 3

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No. 1 Total of each product category name

Query:

```sql
-- Total of each product category name
SELECT product_category_name, COUNT(product_id) AS total FROM public.products_dataset
GROUP BY product_category_name;
```
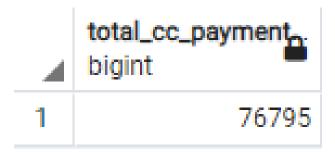
Result:

	product_category_name text	total bigint
1	climatizacao	124
2	livros_importados	31
3	[null]	610
4	artigos_de_natal	65
5	livros_tecnicos	123
6	ferramentas_jardim	753
7	cine_foto	28
8	dvds_blu_ray	48

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No. 2 Total of credit card payment type

Query:

```sql
-- Total of credit card payment type
SELECT COUNT(payment_type) as Total_CC_Payment from public.payments_dataset
WHERE payment_type='credit_card';
```

Result:

total_cc_payment 🔒 bigint
1	76795

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No. 3 Top 3 payment type with the most order items dataset

Query:

```sql
-- Top 3 payment with the most order item
SELECT a.payment_type,COUNT(a.payment_type) AS total FROM public.payments_dataset a
INNER JOIN item_dataset b
ON a.order_id=b.order_id
GROUP BY a.payment_type
ORDER BY total DESC LIMIT 3;
```

Result:

payment_type text	total bigint
1 credit_card	86769
2 boleto	22867
3 voucher	6274

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No. 4 Total payment value from each payment type where installments is greater than 1

Query:

```sql
-- Total payment value from each payment type where installments is greater than 1
SELECT payment_type,SUM(payment_value) AS total FROM public.payments_dataset
WHERE payment_installments>1
GROUP BY payment_type;
```

Result:

payment_type text	total double precision
1 credit_card	10101450.129999747

NOTES:

olist_order_items_dataset= item_dataset

olist_order_payments_dataset= payments_dataset

olist_products_dataset= products_dataset