SQL TASK OUTPUT SCREENSHOTS

1. SELECT

	product_id	product_category_name	product_name_lenght	product_description_lenght	product_photos_qty	product_weight_g	product_length_cm	product_height_cm	product_width_cm
1	1e9e8ef04dbcff4541ed26657ea517e5	perfumaria	40.0	287.0	1.0	225.0	16.0	10.0	14.0
2	3aa071139cb16b67ca9e5dea641aaa2f	artes	44.0	276.0	1.0	1000.0	30.0	18.0	20.0
3	96bd76ec8810374ed1b65e291975717f	esporte_lazer	46.0	250.0	1.0	154.0	18.0	9.0	15.0
4	cef67bcfe19066a932b7673e239eb23d	bebes	27.0	261.0	1.0	371.0	26.0	4.0	26.0
5	9dc1a7de274444849c219cff195d0b71	utilidades_domesticas	37.0	402.0	4.0	625.0	20.0	17.0	13.0
6	41d3672d4792049fa1779bb35283ed13	instrumentos_musicais	60.0	745.0	1.0	200.0	38.0	5.0	11.0
7	732bd381ad09e530fe0a5f457d81becb	cool_stuff	56.0	1272.0	4.0	18350.0	70.0	24.0	44.0
8	2548af3e6e77a690cf3eb6368e9ab61e	moveis_decoracao	56.0	184.0	2.0	900.0	40.0	8.0	40.0
9	37cc742be07708b53a98702e77a21a02	eletrodomesticos	57.0	163.0	1.0	400.0	27.0	13.0	17.0
10	8c92109888e8cdf9d66dc7e463025574	brinquedos	36.0	1156.0	1.0	600.0	17.0	10.0	12.0
11	14aa7b7fe5c25522b47b4b29c98dcb9	cama_mesa_banho	54.0	630.0	1.0	1100.0	16.0	10.0	16.0
12	03b63c5fc16691530586ae020c345514	bebes	49.0	728.0	4.0	7150.0	50.0	19.0	45.0

```
Execution finished without errors.
Result: 32951 rows returned in 445ms
At line 1:
SELECT
    *
FROM
    products;
```

2. SELECT with specific columns

	product_id	product_category_name
1	1e9e8ef04dbcff4541ed26657ea517e5	perfumaria
2	3aa071139cb16b67ca9e5dea641aaa2f	artes
3	96bd76ec8810374ed1b65e291975717f	esporte_lazer
4	cef67bcfe19066a932b7673e239eb23d	bebes
5	9dc1a7de274444849c219cff195d0b71	utilidades_domesticas
6	41d3672d4792049fa1779bb35283ed13	instrumentos_musicais
7	732bd381ad09e530fe0a5f457d81becb	cool_stuff
8	2548af3e6e77a690cf3eb6368e9ab61e	moveis_decoracao
9	37cc742be07708b53a98702e77a21a02	eletrodomesticos
10	8c92109888e8cdf9d66dc7e463025574	brinquedos
11	14aa47b7fe5c25522b47b4b29c98dcb9	cama_mesa_banho
12	03b63c5fc16691530586ae020c345514	bebes

```
Execution finished without errors.
Result: 32951 rows returned in 49ms
At line 1:
SELECT
    product_id,
    product_category_name
FROM
    products;
```

3. WHERE

	order_id	payment_sequential	payment_type	payment_installments	payment_value
1	d0a945f85ba1074b60aac97ade7e240e	1	credit_card	2	541.0
2	2e2c60b99754ae1e4d8b18846cfec9f2	1	credit_card	4	542.66
3	110d9355d6338eab0a65a0cacdde5434	1	credit_card	5	566.4
4	886b114d034f4ac1d39d964c1b2a8182	1	credit_card	10	2027.16
5	62d9b911d7c56cf455f660eecb8ddd3a	1	credit_card	10	1002.73
6	f86d7bc39aab05299691322044b63bb2	1	voucher	1	1302.42
7	5f082a502d1fd6f19d32897c2c2cbcec	1	credit_card	10	645.8
8	a669137c06cc23b7962d63be3a2ad6d1	1	credit_card	3	641.2
9	4ff8e28200e5a7a50b448cfaaf1f8ed3	1	credit_card	10	2288.31
10	ce6d150fb29ada17d2082f4847107665	1	credit_card	10	1586.47
11	16b6123f7077419424bf89af74e2d054	1	credit_card	10	642.02

```
Execution finished without errors.
Result: 4256 rows returned in 36ms
At line 1:
SELECT
  *
FROM
  order_payments
WHERE
  payment_value > 500;
```

4. ORDER BY

	product_id	product_category_name
17289	45dc66388e0aeec2e8baab5572f2fa44	esporte_lazer
17290	2245f9825a544daf9adb59c50d0eae03	esporte_lazer
17291	c6f7d77b0d27a02ad3392f8549e58940	esporte_lazer
17292	7d1a667dbc183583078324f912d42c6b	esporte_lazer
17293	ca977202f2d5bc9cfdc368d305e460b8	esporte_lazer
17294	07ae32b18ffbde7c6c928721e8b956fb	esporte_lazer
17295	4e1d2ef2974c85d82582edfe594a4f57	esporte_lazer
17296	4508e088c4a07e0ad64f6fa3751e314a	esporte_lazer
17297	22937a73f92a33040ab4e2540355a5d8	fashion_bolsas_e_acessor...
17298	55ec10b39713ee81ee2c5bcb558cf866	fashion_bolsas_e_acessor...
17299	acd427ee119d5c71c7a85ae488cb0a6a	fashion_bolsas_e_acessor...

```
Execution finished without errors.
Result: 32951 rows returned in 88ms
At line 1:
SELECT
  product_id,
  product_category_name
FROM
  products
ORDER BY
  product_category_name ASC;
```

5. GROUP BY

	payment_type	TotalPaymentValue
1	boleto	2869361.27
2	credit_card	12542084.19
3	debit_card	217989.79
4	not_defined	0.0
5	voucher	379436.87

```
Execution finished without errors.
Result: 5 rows returned in 92ms
At line 1:
SELECT
    payment_type,
    SUM(payment_value) AS TotalPaymentValue
FROM
    order_payments
GROUP BY
    payment_type;
```

6. GROUP BY with HAVING

	payment_type	TotalPaymentValue
1	boleto	2869361.27
2	credit_card	12542084.19
3	debit_card	217989.79
4	voucher	379436.87

```
Execution finished without errors.
Result: 4 rows returned in 100ms
At line 1:
SELECT
    payment_type,
    SUM(payment_value) AS TotalPaymentValue
FROM
    order_payments
GROUP BY
    payment_type
HAVING
    TotalPaymentValue > 100000;
```

7. SUM

	TotalRevenue
1	16008872.12

```
Execution finished without errors.
Result: 1 rows returned in 25ms
At line 1:
SELECT
  SUM(payment_value) AS TotalRevenue
FROM
  order_payments;
```

8. AVG

	AverageReviewScore
1	4.08642062404257

```
Execution finished without errors.
Result: 1 rows returned in 61ms
At line 1:
SELECT
  AVG(review_score) AS AverageReviewScore
FROM
  order_reviews;
```

9. COUNT

	TotalOrders
1	99441

```
Execution finished without errors.
Result: 1 rows returned in 50ms
At line 1:
SELECT
  COUNT(order_id) AS TotalOrders
FROM
  orders;
```

10. INNER JOIN

	order_id	customer_id	review_score
1	e481f51cbd...	9ef432eb62...	4
2	53cdb2fc8b...	b0830fb474...	4
3	47770eb910...	41ce2a54c0...	5
4	949d5b44db...	f88197465e...	5
5	ad21c59c08...	8ab97904e6...	5
6	a4591c265e...	503740e9ca...	4
7	136cce7faa...	ed0271e0b7...	2
8	6514b8ad80...	9bdf08b4b3...	5

```
Execution finished without errors.
Result: 99224 rows returned in 1820ms
At line 1:
SELECT
  o.order_id,
  o.customer_id,
  r.review_score
FROM
  orders AS o
  INNER JOIN order_reviews AS r ON o.order_id = r.order_id;
```

11. LEFT JOIN

	product_id	product_category_name	TimesSold
1	aca2eb7d00ea1a7b8ebd4e68314663af	moveis_decoracao	527
2	99a4788cb24856965c36a24e339b6058	cama_mesa_banho	488
3	422879e10f46682990de24d770e7f83d	ferramentas_jardim	484
4	389d119b48cf3043d311335e499d9c6b	ferramentas_jardim	392
5	368c6c730842d78016ad823897a372db	ferramentas_jardim	388
6	53759a2ecddad2bb87a079a1f1519f73	ferramentas_jardim	373
7	d1c427060a0f73f6b889a5c7c61f2ac4	informatica_acessorios	343
8	53b36df67ebb7c41585e8d54d6772e08	relogios_presentes	323

```
Execution finished without errors.
Result: 32951 rows returned in 1657ms
At line 1:
SELECT
  p.product_id,
  p.product_category_name,
  COUNT(oi.order_item_id) AS TimesSold
FROM
  products AS p
  LEFT JOIN order_items AS oi ON p.product_id = oi.product_id
```

12. Subqueries

	customer_unique_id	customer_city	customer_state	order_id	order_purchase_timestamp
1	861eff4711a542e4b93843c6dd7febb0	franca	SP	00e7ee1b050b8499577073aeb2a297a1	2017-05-16 15:05:35
2	290c77bc529b7ac935b93aa66c333dc3	sao bernardo do campo	SP	29150127e6685892b6eab3eec79f59c7	2018-01-12 20:48:24
3	060e732b5b29e8181a18229c7b0b2b5e	sao paulo	SP	b2059ed67ce144a36e2aa97d2c9e9ad2	2018-05-19 16:07:45
4	259dac757896d24d7702b9acbbff3f3c	mogi das cruzes	SP	951670f92359f4fe4a63112aa7306eba	2018-03-13 16:06:38
5	345ecd01c38d18a9036ed96c73b8d066	campinas	SP	6b7d50bd145f6fc7f33cebabd7e49d0f	2018-07-29 09:51:30
6	addec96d2e059c80c30fe6871d30d177	sao paulo	SP	36e694cf4cbc2a4803200c35e84abdc4	2018-02-19 14:38:35
7	918dc87cd72cd9f6ed4bd442ed785235	lencois paulista	SP	83d8f70418eefd96f37b483dff430305	2017-09-09 09:54:57
8	295c05e81917928d76245e842748184d	sao paulo	SP	852d2f4d37773bcbc21c8e09a05a4ea5	2018-03-07 15:57:14
9	21f748a16f4e1688a9014eb3ee6fa325	piracicaba	SP	eac76692452422620996fe5e1a7f8bb0	2018-01-29 20:32:08
10	b6e99561fe6f34a55b0b7da92f8ed775	guarulhos	SP	ec28553b12bef4b538e5d7454464a1c6	2018-06-18 13:34:21

```
Execution finished without errors.
Result: 10 rows returned in 1424ms
At line 12:
-- Now, you can query your new view just like a regular table.
SELECT
  *
FROM
  CustomerOrderView
WHERE
  customer_state = 'SP'
LIMIT 10;
```

13. VIEW

	customer_unique_id	customer_city	customer_state	order_id	order_purchase_timestamp
1	861eff4711a542e4b93843c6dd7febb0	franca	SP	00e7ee1b050b8499577073aeb2a297a1	2017-05-16 15:05:35
2	290c77bc529b7ac935b93aa66c333dc3	sao bernardo do campo	SP	29150127e6685892b6eab3eec79f59c7	2018-01-12 20:48:24
3	060e732b5b29e8181a18229c7b0b2b5e	sao paulo	SP	b2059ed67ce144a36e2aa97d2c9e9ad2	2018-05-19 16:07:45
4	259dac757896d24d7702b9acbbff3f3c	mogi das cruzes	SP	951670f92359f4fe4a63112aa7306eba	2018-03-13 16:06:38
5	345ecd01c38d18a9036ed96c73b8d066	campinas	SP	6b7d50bd145f6fc7f33cebabd7e49d0f	2018-07-29 09:51:30
6	addec96d2e059c80c30fe6871d30d177	sao paulo	SP	36e694cf4cbc2a4803200c35e84abdc4	2018-02-19 14:38:35
7	918dc87cd72cd9f6ed4bd442ed785235	lencois paulista	SP	83d8f70418eefd96f37b483dff430305	2017-09-09 09:54:57
8	295c05e81917928d76245e842748184d	sao paulo	SP	852d2f4d37773bcbc21c8e09a05a4ea5	2018-03-07 15:57:14
9	21f748a16f4e1688a9014eb3ee6fa325	piracicaba	SP	eac76692452422620996fe5e1a7f8bb0	2018-01-29 20:32:08
10	b6e99561fe6f34a55b0b7da92f8ed775	guarulhos	SP	ec28553b12bef4b538e5d7454464a1c6	2018-06-18 13:34:21

```
Execution finished without errors.
Result: 10 rows returned in 1424ms
At line 12:
-- Now, you can query your new view just like a regular table.
SELECT
  *
FROM
  CustomerOrderView
WHERE
  customer_state = 'SP'
LIMIT 10;
```