1. Find the number of stores in each country.

	country character varying (25)	number_of_stores bigint
1	Argentina	1
2	Australia	3
3	Bolivia	1
4	Brazil	2
5	Canada	8
6	Chile	1
7	China	4
8	Costa Rica	1
9	Dominican Republic	1
10	France	2
11	Germany	2
12	India	2
13	Indonesia	1
14	Italy	1

2. Calculate the total number of units sold by each store.

	store_id [PK] character varying (5)	store_name character varying (30)	total_no_of_units_sold bigint
1	ST-5	Apple South Coast Plaza	47498
2	ST-3	Apple Michigan Avenue	44891
3	ST-4	Apple The Grove	44784
4	ST-2	Apple Union Square	44395
5	ST-1	Apple Fifth Avenue	44367
6	ST-12	Apple Yorkdale	29882
7	ST-14	Apple Pacific Centre	29595
8	ST-9	Apple Lennox Town Center	29536
9	ST-6	Apple Scottsdale	29504
10	ST-8	Apple Eastview Mall	29451
11	ST-13	Apple Square One	29357
12	ST-11	Apple Eaton Centre	29297
13	ST-10	Apple Tysons Corner	29215
14	ST-7	Apple Mall of America	29196

3. Identify how many sales occurred in December 2023.

	total_sales bigint
1	32846

4. Determine how many stores have never had a warranty claim filed.

	no_of_stores_with_no_warranty_claims bigint
1	58

5. Calculate the percentage of warranty claims marked as "Warranty Void".

	warranty_void_claims numeric
1	23.16

6. Identify which store had the highest total units sold in the last year.

	store_id character varying (10)	store_name character varying (30)	total_units_sold bigint
1	ST-36	Apple Sydney	290
2	ST-54	Apple Ankara	287
3	ST-53	Apple New Delhi	282
4	ST-48	Apple Shanghai	282
5	ST-65	Apple La Paz	276
6	ST-70	Apple Newcastle	276
7	ST-51	Apple Seoul	272
8	ST-45	Apple Bangkok	272
9	ST-50	Apple Taipei	272
10	ST-57	Apple Riyadh	271
11	ST-41	Apple Mexico City	269
12	ST-61	Apple Caracas	269
13	ST-34	Apple Madrid	267
14	ST-58	Apple Manila	266

7. Count the number of unique products sold in the last year.

	no_of_unique_products_sold_last_year bigint
1	50

8. Find the average price of products in each category.

	category_id [PK] character varying (10)	category_name character varying (20)	average_product_price numeric
1	CAT-3	Tablet	656.50
2	CAT-6	Streaming Device	179.00
3	CAT-9	Smart Speaker	99.00
4	CAT-1	Laptop	1511.50
5	CAT-7	Desktop	1199.00
6	CAT-2	Audio	259.00
7	CAT-8	Subscription Service	149.50
8	CAT-10	Accessory	29.00
9	CAT-5	Wearable	362.33
10	CAT-4	Smartphone	889.43

9. How many warranty claims were filed in 2020?

	no_of_warranty_claims_2020 bigint
1	2750

10. For each store, identify the best-selling day based on highest quantity sold.

	store_id character varying (10)	day_name text	highest_quantity_sold bigint	rank bigint
1	ST-1	thursday	6830	1
2	ST-10	sunday	4432	1
3	ST-11	monday	4314	1
4	ST-12	sunday	4539	1
5	ST-13	monday	4400	1
6	ST-14	thursday	4366	1
7	ST-15	monday	2879	1
8	ST-16	monday	2940	1
9	ST-17	thursday	2837	1
10	ST-18	sunday	2865	1
11	ST-19	monday	2985	1
12	ST-2	thursday	6614	1
13	ST-20	sunday	2864	1
14	ST-21	monday	3522	1

11. Identify the least selling product in each country for each year based on total units sold.

	country character varying (25)	product_name character varying (35)	total_qty_sold bigint	rank bigint
1	tina	iPhone 13 Mini	40	1
2	Australia	iPhone 12 Mini	106	1
3	Bolivia	iPhone 13 Mini	40	1
4	Brazil	iPhone 12 Pro Max	58	1
5	Canada	Mac mini (M1)	824	1
6	Chile	Mac mini (M1)	26	1
7	China	iPad Air (4th Gen)	135	1
8	Costa Rica	iPhone 13 Mini	41	1
9	Dominican Republic	iPhone 15 Pro	225	1
10	France	iPhone 12 Mini	66	1
11	Germany	Apple Fitness+	129	1
12	India	iPad Pro (M2, 11-inch)	615	1
13	Indonesia	iPad Air (4th Gen)	28	1
14	Italy	iPad Air (4th Gen)	30	1

12. Calculate how many warranty claims were filed within 180 days of a product sale.

	warranty_filed_within_180_days bigint
1	19907

13. Determine how many warranty claims were filed for products launched in the last two years.

	product_name character varying (35)	no_warranty bigint
1	iPhone 15	321
2	iPhone 15 Pro	290
3	iPhone 15 Pro Max	320

14. List the months in the last three years where sales exceeded 5,000 units in the USA.

	month_name text	sales_qty bigint
1	03-2022	5831
2	04-2022	5779
3	09-2022	9789
4	10-2022	11005
5	11-2022	11289
6	12-2022	10724

15. Identify the product category with the most warranty claims filed in the last two years.

	category_name character varying (20)	no_warranties bigint
1	Smartphone	8829
2	Tablet	3122
3	Wearable	979
4	Subscription Service	940
5	Audio	775
6	Laptop	91
7	Accessory	63
8	Desktop	6
9	Streaming Device	5

16. Determine the percentage chance of receiving warranty claims after each purchase for each country.

	country character varying (25)	product_name character varying (35)	sale_id character varying (15)	percentage_chance_of_warranty_claim numeric
1		AirPods Max	OID-372849	3.13
2	UAE	AirPods Max	OID-384351	3.13
3	Spain	AirPods Max	OID-361466	3.13
4	UAE	AirPods Max	OID-384391	3.13
5	UAE	AirPods Max	OID-372827	3.13
6	Spain	AirPods Max	OID-361489	3.13
7	UAE	AirPods Max	OID-372848	3.13
8	UAE	AirPods Max	OID-384304	3.13
9	UAE	AirPods Max	OID-384317	3.13
10	UAE	AirPods Max	OID-372739	3.13
11	Spain	AirPods Max	OID-361503	3.13
12	UAE	AirPods Max	OID-372828	3.13
13	UAE	AirPods Max	OID-372839	3.13
14	UAE	AirPods Max	OID-372756	3.13

17. Categorize the number of units sold by store as sales being 'high', 'medium', and 'low'.

	min bigint	min_range numeric	average numeric	max_range numeric	max bigint
1	647	7753	14860	26168	37477

	store_name character varying (30)	total_units_sold bigint	category text
1	Apple Sheffield	647	low
2	Apple Birmingham	678	low
3	Apple Newcastle	685	low
26	Apple Barcelona	9321	medium
27	Apple Dubai Mall	10745	medium
28	Apple Melbourne	11347	medium
62	Apple Istanbul	26512	high
63	Apple Mumbai	26550	high
64	Apple New Delhi	26650	high
65	Apple Ankara	26672	high