

# TABLES CREATED

	customer_id [PK] integer	first_name character varying (50)	last_name character varying (50)	email character varying (100)	country character varying (50)
1	1	John	Doe	john.doe@email.com	USA
2	2	Jane	Smith	jane.smith@email.com	Canada
3	3	Alice	Johnson	alice.j@email.com	USA
4	4	Bob	Brown	bob.b@email.com	UK

	category_id [PK] integer	category_name character varying (50)
1	1	Electronics
2	2	Clothing
3	3	Books

	product_id [PK] integer	product_name character varying (100)	price numeric (10,2)	category_id integer
1	1	Laptop	1200.00	1
2	2	Smartphone	800.00	1
3	3	T-Shirt	20.00	2
4	4	Novel	15.00	3
5	5	Headphones	150.00	1

	order_id [PK] integer	customer_id integer	order_date date
1	1	1	2024-04-01
2	2	2	2024-04-03
3	3	1	2024-04-07
4	4	3	2024-04-10

	order_item_id [PK] integer	order_id integer	product_id integer	quantity integer
1	1	1	1	1
2	2	1	5	2
3	3	2	3	3
4	4	3	2	1
5	5	4	4	2

# 1.SELECT, WHERE, ORDERBY QUERY

	<b>first_name</b> character varying (50) 🔒	<b>last_name</b> character varying (50) 🔒	<b>email</b> character varying (100) 🔒
1	John	Doe	john.doe@email.com
2	Alice	Johnson	alice.j@email.com

# 2. INNER JOIN

	<b>order_id</b> integer 🔒	<b>first_name</b> character varying (50) 🔒	<b>last_name</b> character varying (50) 🔒	<b>order_date</b> date 🔒
1	1	John	Doe	2024-04-01
2	2	Jane	Smith	2024-04-03
3	3	John	Doe	2024-04-07
4	4	Alice	Johnson	2024-04-10

# 3.LEFT JOIN

	<b>product_name</b> character varying (100) 🔒	<b>category_name</b> character varying (50) 🔒
1	Laptop	Electronics
2	Smartphone	Electronics
3	T-Shirt	Clothing
4	Novel	Books
5	Headphones	Electronics

## 4.SUB QUERY

	<b>product_name</b> character varying (100) 🔒	<b>price</b> numeric (10,2) 🔒
1	Laptop	1200.00
2	Smartphone	800.00



## 5.AGGREGATE FUNCTIONS

	<b>customer_id</b> integer 🔒	<b>total_orders</b> bigint 🔒
1	1	2
2	3	1
3	2	1

## 6.VIEW

	<b>customer_id</b> integer 🔒	<b>first_name</b> character varying (50) 🔒	<b>last_name</b> character varying (50) 🔒	<b>number_of_orders</b> bigint 🔒
1	3	Alice	Johnson	1
2	4	Bob	Brown	0
3	2	Jane	Smith	1
4	1	John	Doe	2

## 7.INDEX

	indexname name	 indexdef text	
1	orders_pkey	CREATE UNIQUE INDEX orders_pkey ON public.orders USING btree (order_i...	
2	idx_customer_id	CREATE INDEX idx_customer_id ON public.orders USING btree (customer_i...	