

SQL Portfolio : TechCorp

Rafi Widyansyah

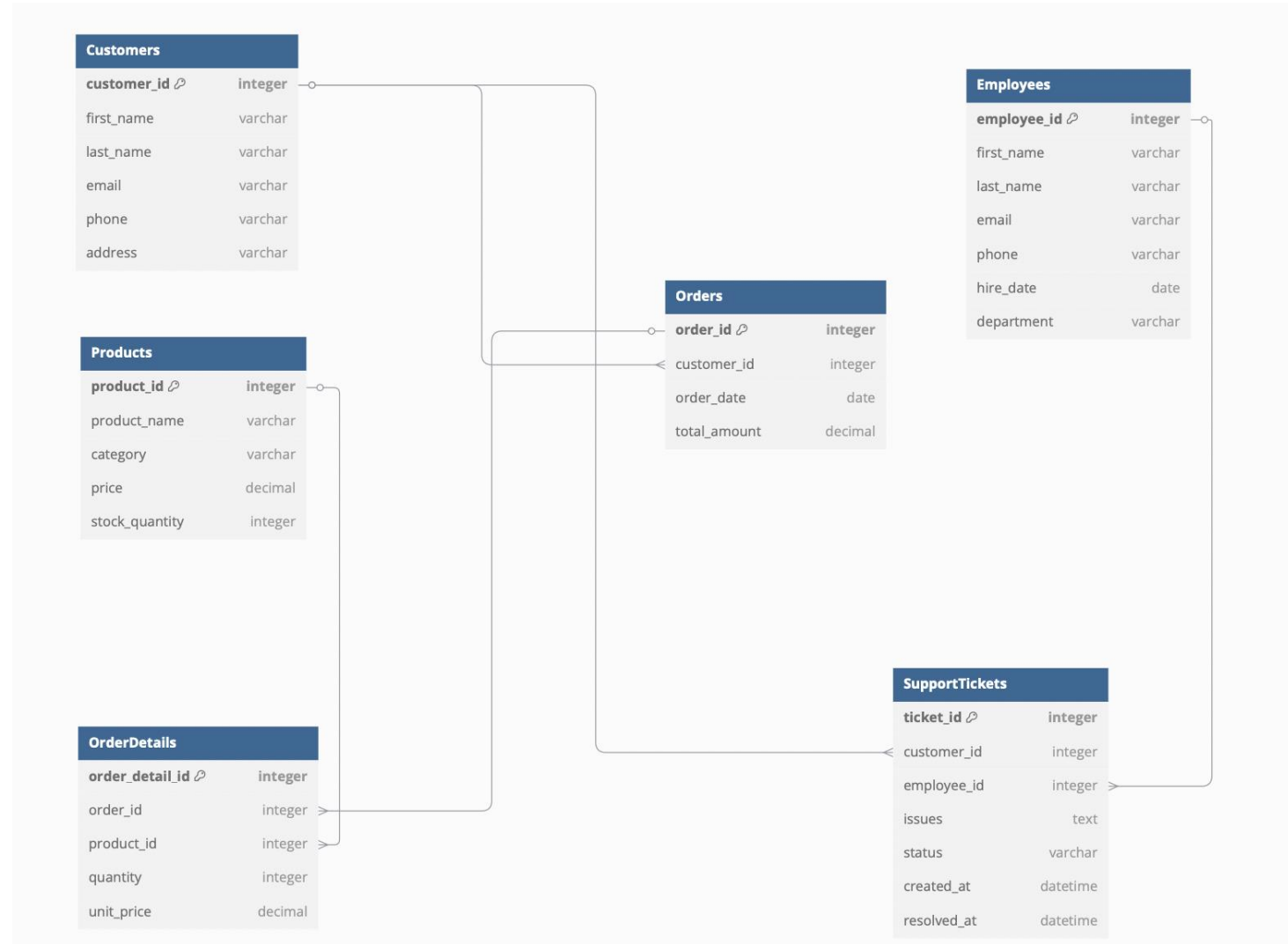
Implementing SQL : TechCorp

TechCorp is an e-commerce company that focuses on selling electronic products such as laptops, smartphones, and accessories. TechCorp also provides customer support services to assist customers with technical issues and questions regarding the products being sold.

Dataset Schema

- The “TechCorp” database consists of 6 tables :
 1. Table of product (**Products**): stores information about products.
 2. Table of customers (**Customers**): stores information about customers.
 3. Table of orders (**Orders**): information about customers’ order.
 4. Table of order details (**OrderDetails**): information about every detail of each order
 5. Table of employees (**Employees**): information about TechCorp employees.
 6. Table of support ticket (**SupportTickets**): information about every customer support ticket.

Database Diagram




```

16
17 -- 2. Average Amount Order for Each Customer --
18 • select c.first_name, c.last_name , avg(o.total_amount) average_amount_order
19   from Customers c
20  join Orders o on o.customer_id = c.customer_id
21  group by c.customer_id;
22

```

	first_name	last_name	average_amount_order
	John	Doe	1767.500000
	Jane	Smith	567.500000
	Emily	Johnson	25.000000
	Michael	Brown	300.000000
	Sarah	Davis	165.000000

Average amount order for each customers

```
23 -- 3. Employee had resolved > 4 tickets support --
24 • select e.first_name, e.last_name, count(ticket_id) total_ticket
25 from Employees e
26 join SupportTickets s on s.employee_id = e.employee_id
27 where s.status = "resolved"
28 group by e.employee_id
29 having total_ticket > 4;
```

	first_name	last_name	total_ticket	
	Alice	Williams	5	

Employee who resolved more than 4 tickets

Product have never been order

```
31  -- 4. Product had order yet --
32  • select p.product_name
33      from Products p
34      left join OrderDetails o on o.product_id = p.product_id
35      where o.order_id is null;
36
```

product_name
Wireless Earphones

Revenue of Each Product

```
36
37 -- 5. Revenue --
38 • select p.product_name, od.quantity*unit_price revenue
39   from Products p
40   join OrderDetails od on od.product_id = p.product_id
41 ;
42
```

	product_name	revenue	
	Laptop Pro 15	1500.00	
	Wireless Mouse	25.00	
	Smartphone X	800.00	
	USB-C Charger	20.00	
	Wireless Mouse	25.00	
	Gaming Laptop	2000.00	
	Budget Smartphone	10.00	
	Budget Smartphone	300.00	
	Budget Smartphone	300.00	
	Noise Cancelling Headphones	150.00	
	USB-C Charger	15.00	


```
53 -- 7. Customers Total Amount Order > 500 (Min. 1 Order)
54 select *
55 from Customers
56 where customer_id in (
57     select customer_id
58     from orders
59     where total_amount > 500)
60 ;
```

[illegible]

Customer with total amount order > 500 USD