

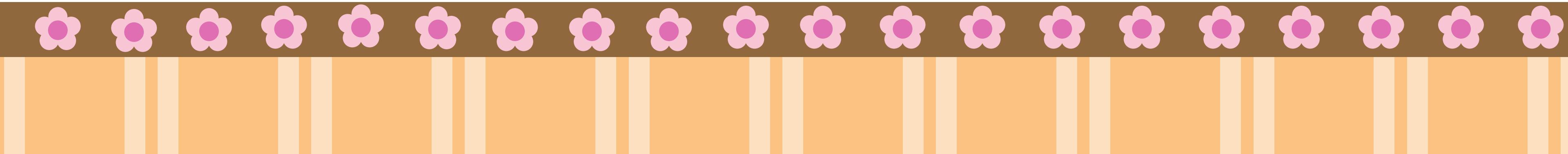
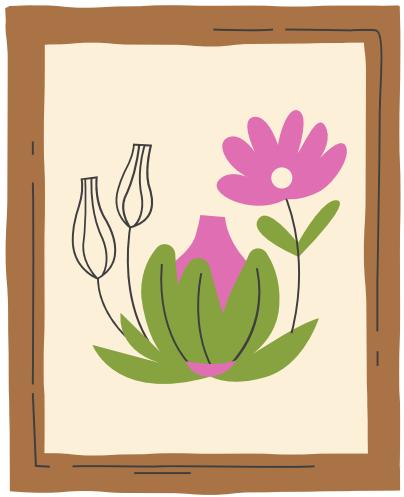


chaichology

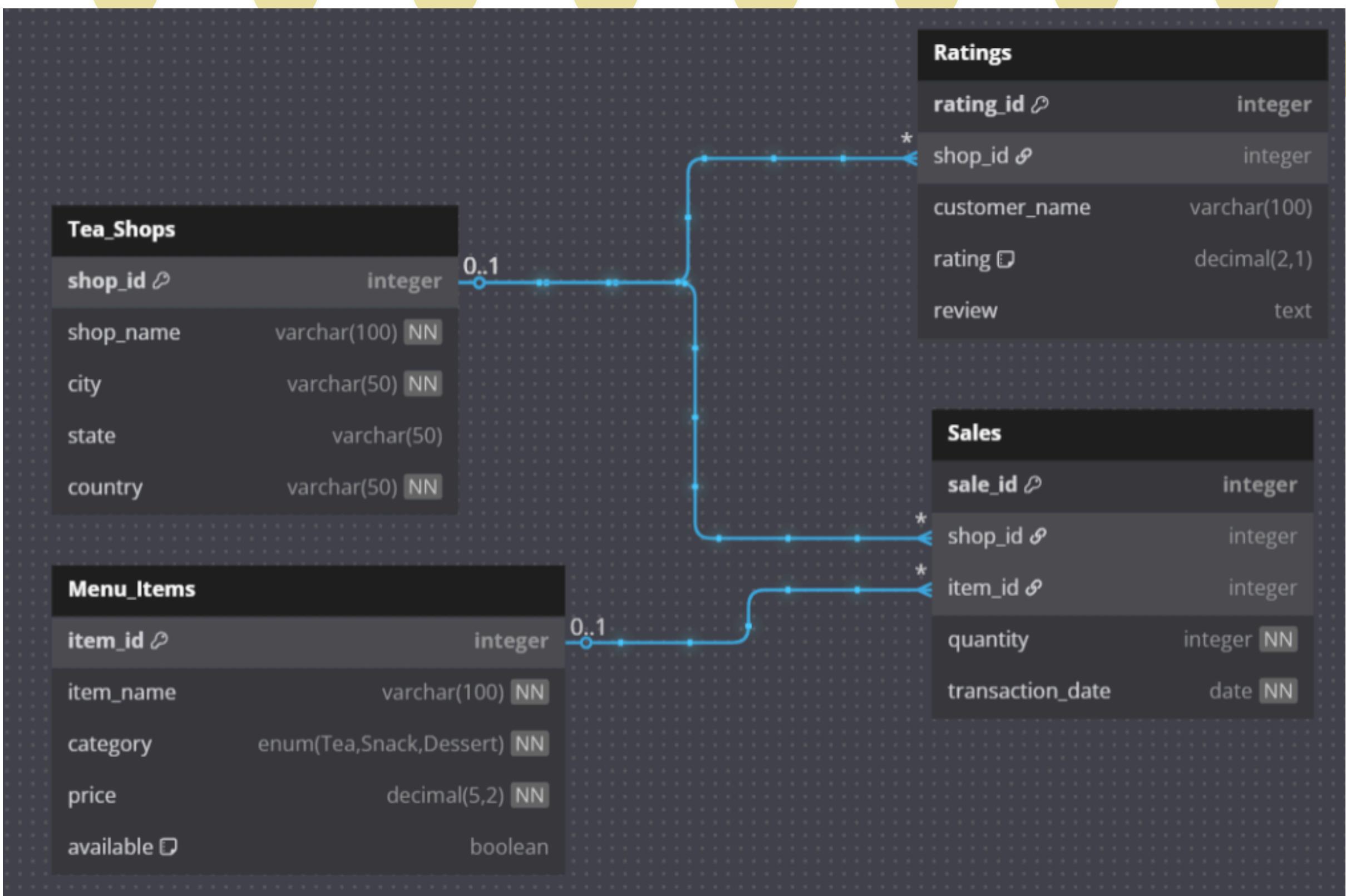
Tea Shop

SQL CASE STUDY

By Ankita



ER Diagram



List all tea shop details.

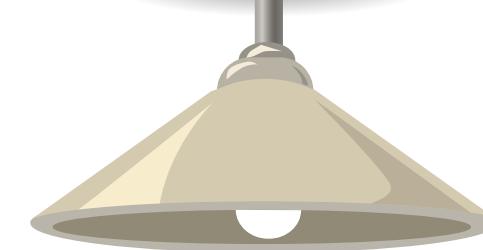
select

*

from

tea_shops

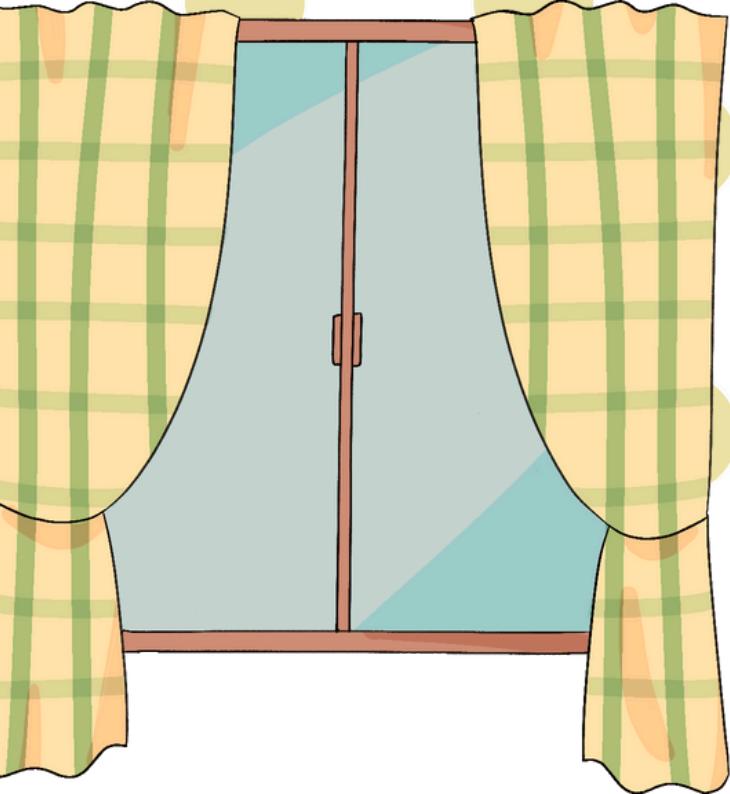
shop_id	shop_name	city	state	country
1	Chaichology	Mumbai	Maharashtra	India
2	Chaichology	Delhi	Delhi	India
3	Chaichology	Bangalore	Karnataka	India
4	Chaichology	Chennai	Tamil Nadu	India



Find menu items available in the shop

```
select  
    item_name  
from  
    menu_items  
where  
    available=1
```

item_name
Masala Chai
Ginger Tea
Samosa
Bun Maska
Gulab Jamun
Kulhad Chai



Find the Total Number of orders for each menu items.

```
select
    m.item_name as menu_item,
    count(s.item_id) as Total_orders
from
    sales s
left join
    menu_items m on s.item_id = m.item_id
group by
    item_name;
```



menu_item	Total_orders
Masala Chai	1
Ginger Tea	2
Samosa	2
Bun Maska	2
Gulab Jamun	2
Kulhad Chai	1

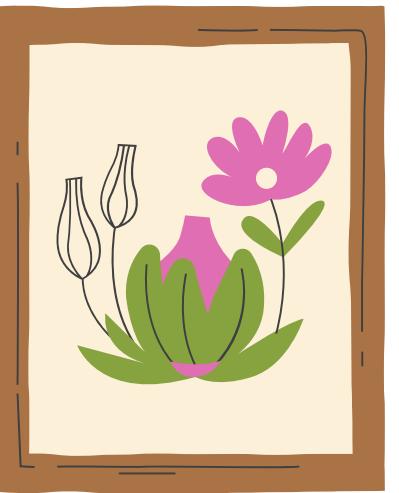
Find the Total Revenue generated by Each shop in Different Location.

```
select
    t.shop_id,
    t.city,
    sum(s.quantity*m.price) as Total_Revenue
from
    tea_shops t join sales s on t.shop_id=s.shop_id
join
    menu_items m on s.item_id=m.item_id
group by
    t.shop_id
order by
    Total_Revenue desc
```



shop_id	city	Total_Revenue
1	Mumbai	1465.00
4	Chennai	500.00
2	Delhi	490.00
3	Bangalore	395.00

Find the Best Selling item.



```
select
    m.item_name,
    sum(s.quantity) as Total_quantity_sold
from
    menu_items m join sales s on m.item_id=s.item_id
group by
    m.item_name
order by
    Total_quantity_sold desc limit 1;
```

item_name	Total_quantity_sold
Samosa	21



Count the Total Number of Ratings for Each shop.

```
select t.shop_id,  
       t.city,  
       count(r.rating) as Total_ratings  
from  
       ratings r join tea_shops t using(shop_id)  
group by  
       shop_id  
order by  
       Total_ratings desc
```

shop_id	city	Total_ratings
1	Mumbai	6
3	Bangalore	5
4	Chennai	5
2	Delhi	4

List all shops with an Average Rating Above 4.5

```
select  
    shop_id,  
    avg(rating) as rating  
from  
    ratings  
group by  
    shop_id having avg(rating)>4.5
```

shop_id	rating
1	4.53333
3	4.62000
4	4.52000

Find reviews where customers used the word "amazing" for a shop in Bangalore

```
select r.shop_id,  
       t.city,  
       r.review  
  from  
    tea_shops t  
  join  
    ratings r using(shop_id)  
 where  
   review like '%amazing%'
```

shop_id	city	review
3	Bangalore	Kulhad Chai was amazing!



Find the names of customers who had Masala Chai and identify the tea shop where they consumed it

```
select r.customer_name,  
       m.item_name,  
       t.shop_name,  
       t.city  
  
from  
       ratings r  
join tea_shops t using(shop_id)  
join sales s using(shop_id)  
join menu_items m using(item_id)  
where  
       item_name= "Masala Chai"
```

customer_name	item_name	shop_name	city
Amit Sharma	Masala Chai	Chaichology	Mumbai
Sneha Patel	Masala Chai	Chaichology	Mumbai
Aditya Kapoor	Masala Chai	Chaichology	Mumbai
Rajesh Iyer	Masala Chai	Chaichology	Mumbai
Divya Sharma	Masala Chai	Chaichology	Mumbai
Simran Kaur	Masala Chai	Chaichology	Mumbai



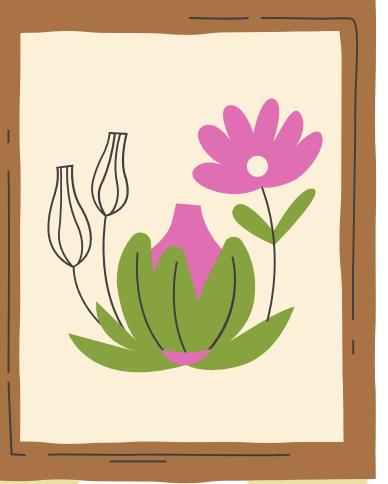


Find the day with the most sales.

```
select  
    transaction_date as day,  
    sum(quantity) as most_sales  
from  
    sales  
group by  
    day  
order by  
    most_sales desc limit 1
```

day	most_sales
2025-03-05	22





Thank You

