**第一大题：**

1. **建表：**

建表使用的DDL语句如下：

①由于area\_table的store\_id带有唯一性，因此设置store\_id为主键。

create table area\_table(

store\_id varchar(10) PRIMARY key,

area varchar(20),

leader\_id int

);

②由于store\_table的store\_id是关联area\_table表的，里面的数据是受主表约束的，因此需要外键store\_id去作为约束。

create table store\_table(

store\_id varchar(10),

order\_id varchar(12),

sales\_volume int,

salesdata date,

CONSTRAINT store\_table1 FOREIGN KEY(store\_id)REFERENCES area\_table1(store\_id)

);

③导入数据，运用到的DML语句如下（备注：仅列举插入其中两条语句为例）：

Insert into area\_table values('store1','alpha',139844);

....

Insert into store\_table values('store8','000089948724',499,'2022-03-23');

.....

1. **统计**
   1. 运用到的DQL语句如下：

SELECT

salesdate AS '日期',

store\_id,

sum( sales\_volume ) AS '店铺销量'

FROM

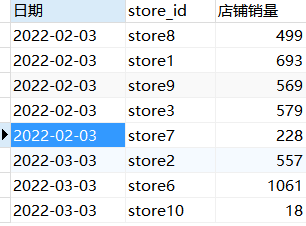
store\_table

GROUP BY

store\_id,

Salesdate

结果：



* 1. 运用到的DQL语句如下：

SELECT

salesdate AS '日期',

area AS '区域',

sum( sales\_volume ) AS '店铺销量'

FROM

( SELECT a.salesdate,b.area,a.sales\_volume FROM store\_table a LEFT JOIN area\_table b ON a.store\_id = b.store\_id ) all\_table

GROUP BY

area,

salesdate

ORDER BY

Salesdate

运行结果如下：



1. **程序异常**

3.1、运用左外连接的查询方式，查询的时候时间已经有明确的条件将昨天销量为0的store3给过滤筛选掉了，导致无法显示store 3的结果。

3.2、无法给出正确的查询条件。

**第二大题：**

1. WITH temp\_active\_hour\_table\_kps AS ()

8. UNION ALL

SELECT

dt,

product\_id,

mkey,

min( HOUR ) AS HOUR,

device\_id,

'first' AS STATUS

FROM

temp\_active\_hour\_table\_kps

GROUP BY

dt,

mkey,

product\_id,

device\_id

10.LEFT JOIN

( SELECT dt, device\_id FROM kps\_dwd.kps\_dwd\_dd\_fact\_view\_new\_user WHERE dt = '${dt\_1}' GROUP BY dt, device\_id ) b ON a.dt = b.dt

AND a.device\_id = b.device\_id

12.LEFT JOIN

asian\_channel.dict\_lcmas\_channel b1 ON a1.mkey = b1.mkey;