1. List all the details of users who are not deleted,order by their name.

Select \* from user

Where isDelete = false

ORDER by username;

1. List the orderNo of all orders whose receiver is “Emma” and address details has a letter “T” in it.

Select orderNo from `order` o,address a

Where o.addressNo = a.addressNo

and a.receiverName = “Emma”

and a.addressDetails LIKE “%T%”;

1. Display how many histories are generated during the May of 2019.

Select count(\*) as number

From history

where time between “2019-5-1 00:00:00” and “2019-5-31 23:59:59”;

1. List the total cost of orders as “totalcost” whose payment is done by U02(UserNo) using card CA03(cardNo).

Select sum(totalprice) AS totalcost

from `order` o,payment p

Where p.paymentNo = o.paymentNo and p.userNo = “U02” and p.cardNo = “CA03”;

1. How many kinds of products are put into blacklist(titled as “inblacklist”)?

Select count(DISTINCT productNo) as inblacklist

from blacklist;

1. Find the number of orders of each user and the maximum totalprice of them(includes freight).

Select userNo,count(orderNo) AS howmanyorders,max(totalprice+freight) AS maxprice from `order`

GROUP by userNo

ORDER by userNo;

1. Display the orderNo and time of order whose freight between 10 and 12 yuan.

Select orderNo ,timeofOrder

from `order`

WHERE freight BETWEEN 10 and 12;

1. List the all the valid comments and their comment time given by users whose gender is male.

Select comment,commenttime from comments

Where comment is NOT NULL

and userNo IN

(select userNo from user

where gender = “M”);

9.Display the total number of products that have been put into production cart by U02(userNo) and not be deleted yet.

Select sum(numofproduct) as totalnumber

from productincart c,user u

Where u.userNo=c.userNo and u.userNo=”U02” and c.isDelete = false;

10.Display the total number of food in order,and their average price.

Select sum(numofproduct) as numberoffood,avg(price) as avgprice from productinorder p

Where EXISTS

(select productNo from product t

where t.productNo = p.productNo

and t.category=”food”);

11.Show productNo and imageUrl of products whose current price is more expensive than all the products in store S02(storeNo)

Select productNo,imageUrl from product

Where currentprice > ALL

(select currentprice from product

Where storeNo=”S02”);

12.Calculate how many cities,districts and provinces are in U04(userNo)’s order as destinations respectively.

Select count(DISTINCT city) as Numofcity,count(DISTINCT district) as Numofdistrict,count(DISTINCT province) as Numofprovince

from address a,area b

Where a.userNo = “U04” and a.regionNo = b.regionNo;

13.Display the average level given to the shoes whose brand is Nike.

Select avg(level) as averagelevel from comments c,productinorder p, product t

Where c.productNo=p.productNo and p.productNo=t.productNo

And t.category = ”shoes” and t.brand = “Nike”;

14.Calculate how many orders are expected during the spring of 2019,and their total price(not include freight).

Select count(\*) as number,sum(totalPrice) as totalprice

from `order`

Where expectedDate BETWEEN “2019-3-1” and “2019-5-31”;

15.For each store who has at least two hundred fans and has at least 90 credits,list the number of fans in each store and order them by their number in descending order.

Select storeNo,numofFans

From store

where numofFans >= 200 and credits >=90

GROUP by storeNo

ORDER by storeNo desc;

16.Increase the current price of clothes on shelf by 5% ,if their current price is less than 10 yuan.

UPDATE product  
SET currentPrice= currentPrice\*1.05  
WHERE category=”clothes” and currentPrice < 10 and isonShelf = true;

17.According to the latest browser history record of the user, recommend the product under the same category with the highest monthly sales.

Select productNo, max(monthlySales) from Product

Where category= (Select p.category from Product p, History h Where p.productNo=h.productNo AND h.userNo= 'U02' order by h.time desc limit 1) group by productNo;

18.List the three most popular products.

Select \* from Product

order by monthlySales desc limit 3;