#1
SELECT DISTINCT supply_location from book
inner join supply
on book.supply_id = supply.supply_id
and book_title= ?
where supply.supply_location='store' or supply.supply_location='storage';

#2
select person_first_name,person_last_name,min(customer_join_date) from customer
inner join person on person.person_id = customer.person_id;

#3
select book_title,book_author,min(supply_date) from supply
inner join book on supply.supply_id = book.supply_id
where supply_location='store' or supply_location='storage';

#4
select book.book_title,book.book_author,person_first_name,person_last_name,order_date
from _order
inner join book on _order.book_id = book.book_id
inner join customer on customer.customer_id = _order.customer_id
inner join person on person.person_id = customer.person_id
order by order_date;

#5
select book_title,book_author,count(book.book_title)
from book
inner join buy_book_store on book.book_id = buy_book_store.book_id
and book.book_title= ? ;

#6
SELECT book.book_author,
max(supply.supply_sold)
FROM   book
INNER JOIN _order
ON book.book_id = _order.order_id
INNER JOIN supply
ON book.supply_id = supply.supply_id
WHERE   supply.supply_date BETWEEN ? AND ? ;

#7
select
person.person_first_name,person.person_last_name,sum(transactions.transactions_book_sold)
from transactions
inner join customer on transactions.customer_id = customer.customer_id
inner join person on person.person_id = customer.person_id
group by transactions.customer_id
order by sum(transactions.transactions_book_sold) desc
limit 3;

#8

```sql
SELECT  book.book_title,publisher.publisher_translator_name ,
count(publisher.publisher_translator_name)
FROM book
INNER JOIN supply
ON supply.supply_id = book.supply_id and
supply.supply_location = 'store' or supply.supply_location = 'storge'
INNER JOIN publisher
ON publisher.book_id = publisher.publisher_id
GROUP BY publisher.publisher_translator_name
ORDER BY count(publisher.publisher_translator_name) desc
limit 1;
```

#9
```sql
select book.book_title,date(transaction_date),store.store_book_price_sell
from transactions
inner join customer on customer.customer_id = transactions.customer_id
inner join person on person.person_id = customer.person_id
inner join delivery on delivery.transactions_id = transactions.transactions_id
inner join buy_book_store on buy_book_store.transactions_id = transactions.transactions_id
inner join book on book.book_id = buy_book_store.book_id or book.book_id = delivery.book_id
inner join store on store.buy_book_store_id = buy_book_store.buy_book_store_id
or store.delivery_id = delivery.delivery_id
where person.person_first_name = ? and person.person_last_name=  ?
group by book_title
order by transactions.transaction_date;
```

#10
```sql
select person.person_first_name,person.person_last_name,book.book_title,
date(order_date),supply.supply_location,
transactions.transactions_id
from _order
INNER JOIN customer ON customer.customer_id = _order.customer_id
inner join person on person.person_id = customer.person_id
INNER JOIN book ON book.book_id = _order.book_id
INNER JOIN supply ON supply.supply_id = book.supply_id
INNER JOIN buy_book_store ON buy_book_store.book_id = book.book_id
INNER JOIN delivery ON delivery.book_id = book.book_id
INNER JOIN transactions on customer.customer_id = transactions.customer_id
where customer.customer_id= ? and supply.supply_location='store' or
supply.supply_location='storge'
group by order_id
order by order_date;
```

#11
select distinct delivery_tracking_number,book.book_author,
book_details.book_details_book_weight, book_details_book_weight*2 as delivery_price from
delivery
inner join book on book.book_id = delivery.book_id
inner join book_details on book_details.book_details_id = book_details.book_details_id
where book_title = 'love'
group by delivery_id;

#12
select person.person_first_name,person.person_last_name ,date(transaction_date),
transactions_price,transactions_book_sold, delivery.delivery_id,
count(delivery.delivery_id)
from transactions
inner join customer on customer.customer_id = transactions.customer_id
inner join person on person.person_id = customer.person_id
inner join delivery on delivery.transactions_id = transactions.transactions_id
where customer.customer_id= ?
group by transactions.transactions_id
#group by delivery.delivery_id
having count(delivery.delivery_id) >1;

#13
select delivery_tracking_number,delivery_status
from delivery where delivery_tracking_number= ? ;

#14
select month(transaction_date),transactions_book_sold,sum(transactions_price) from transactions
inner join delivery on delivery.transactions_id = transactions.transactions_id
inner join post_type on delivery.post_type_id = post_type.post_type_id
where post_type_company = 'Xpress' and month(transaction_date) = ? ;

#15
select month(transaction_date), sum(transactions_price) from transactions
WHERE transactions_payment_method = 'Bit'
and month(transaction_date) = ? ;

#16
select
transactions.transactions_id,transactions.transactions_book_sold,transactions.transaction_date,
sum(store_book_price_sell-store_book_price_buy) as sum_transactions from store
INNER JOIN buy_book_store ON buy_book_store.buy_book_store_id = store.buy_book_store_id
INNER JOIN delivery ON delivery.delivery_id = store.delivery_id
INNER JOIN transactions ON delivery.transactions_id = transactions.transactions_id
or buy_book_store.transactions_id = transactions.transactions_id
group by store_id
having transaction_date >= date_sub(now(), interval 12 month)
and sum_transactions >
(select avg(store_book_price_sell-store_book_price_buy) as avg_store from store);

```
#17
select post_type_company,count(post_type_company)
FROM post_type
INNER JOIN      delivery
ON post_type.post_type_id =  delivery.post_type_id
INNER JOIN transactions
ON  transactions.transactions_id= delivery.transactions_id
where transaction_date >= date_sub(now(), interval 12 month)
group by post_type_company;


#18
select count(publisher_name),delivery_id,book_title,publisher_name from delivery
INNER JOIN book
ON delivery.book_id =  book.book_id
INNER JOIN publisher
ON book.book_id =  publisher.book_id
group by book_title
having count(publisher_name) > 1;


#19
select person_first_name,person_last_name
from transactions
inner join customer on transactions.customer_id = customer.customer_id
inner join person on customer.person_id = person.person_id
where transaction_date < '2018-07-30'
group by person.person_id;


#20
select person.person_first_name,person.person_last_name,
DATEDIFF(order_date_arrive, transactions.transaction_date)
from _order
inner join customer on _order.customer_id = customer.customer_id
inner join person on person.person_id = customer.person_id
inner join transactions on transactions.transactions_id = _order.transactions_id
where DATEDIFF(order_date_arrive, transactions.transaction_date) > 14;


#21
SELECT supply_location,YEAR(supply_date),MONTH(supply_date),sum(supply_quantity)
FROM supply
where supply_location= 'storage'
GROUP BY YEAR(supply_date),MONTH(supply_date)
ORDER BY YEAR(supply_date);


#22
select book_in_store_date between '2016-10-11 00:00:00' and '2019-02-11 00:00:00',
count(book.book_id ),sum(store.store_book_price_buy)
from book_in_store
inner join store on store.store_id = book_in_store.store_id
inner join book on book.book_id = book_in_store.book_id
where book_in_store_date between ? and ? ;
```

#23
select sum_pay_month,sum_sell_month,sum_sell_month-sum_pay_month as profit from
(select sum(store_payment_electric_bill) + sum(store_payment_water_bill) +
sum(store_payment_rent)
+ sum(store_payment_tax)
+ sum(store_payment_other) + sum(store_payment_home_number) +
sum(store_payment_phone_number)
AS sum_pay_month,
sum(store_book_price_sell)-sum(store_book_price_buy) + sum(transactions_price) AS
sum_sell_month
from store_payment
inner join store on store_payment.store_id = store.store_id
inner join buy_book_store on buy_book_store.buy_book_store_id = store.buy_book_store_id
inner join delivery on delivery.delivery_id = store.delivery_id
inner join transactions on transactions.transactions_id = delivery.transactions_id
or buy_book_store.transactions_id = transactions.transactions_id
where store_payment_month = ? and store_payment_year = ?) as a;

#24
SELECT YEAR(transaction_date),MONTH(transaction_date), AVG(transactions_price)
FROM transactions
GROUP BY YEAR(transaction_date),MONTH(transaction_date)
ORDER BY YEAR(transaction_date);

#25
select person_first_name, person_last_name, sum(employee_working_hours)*30 from person
INNER JOIN employee
ON person.person_id = employee.person_id
WHERE person.person_first_name= ? and
person.person_last_name= ? ;

#26
select person_first_name,person_last_name,count(transactions_id) from person
INNER JOIN employee
ON person.person_id = employee.person_id
INNER JOIN transactions
ON employee.employee_id = transactions.employee_id
where month(transaction_date) = ?
having max(transactions_id);