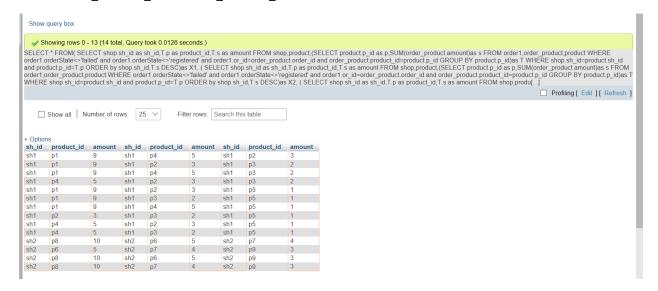
GROUP BY product.p_id)as T

```
SELECT *
FROM(
  SELECT shop.sh_id as sh_id,T.p as product_id,T.s as amount
FROM shop,product,(SELECT product.p_id as p,SUM(order_product.amount)as s
FROM order1, order product, product
WHERE order1.orderState<>'failed' and order1.orderState<>'registered' and order1.or_id=order_product.order_id
and order_product.product_id=product.p_id
GROUP BY product.p_id)as T
WHERE shop.sh_id=product.sh_id and product.p_id=T.p
ORDER by shop.sh_id,T.s DESC)as X1,
  SELECT shop.sh id as sh id, T.p as product id, T.s as amount
FROM shop,product,(SELECT product.p_id as p,SUM(order_product.amount)as s
FROM order1,order_product,product
WHERE order1.orderState<>'registered' and order1.or id=order product.order id
and order_product.product_id=product.p_id
GROUP BY product.p_id)as T
WHERE shop.sh_id=product.sh_id and product.p_id=T.p
ORDER by shop.sh_id,T.s DESC)as X2,
  SELECT shop.sh_id as sh_id,T.p as product_id,T.s as amount
FROM shop,product,(SELECT product.p_id as p,SUM(order_product.amount)as s
FROM order1,order_product,product
WHERE order1.orderState<>'failed' and order1.orderState<>'registered' and order1.or_id=order_product.order_id
and order_product.product_id=product.p_id
```

WHERE shop.sh_id=product.sh_id and product.p_id=T.p
ORDER by shop.sh_id,T.s DESC)as X3

WHERE X1.sh_id=X2.sh_id and X1.sh_id=X3.sh_id and X1.amount>X2.amount and X2.amount>X3.amount



2)

SELECT DISTINCT customer_phone.username,phoneNo

FROM order1 NATURAL JOIN customer_phone

WHERE order1.orderState='failed'



SELECT (i-j) as difference

FROM

(SELECT AVG(T.s)as i

FROM new customer, order1,

(SELECT order1.or_id as o,SUM(order_product.amount*(price-discount)) as s

FROM order1,order_product,product

WHERE order1.orderState<>'failed' and order1.orderState<>'registered' and order1.or_id=order_product.order_id and order_product.product_id=product.p_id

GROUP by order1.or_id)as T

WHERE new_customer.username=order1.username and order1.or_id=T.o)as X ,

(SELECT AVG(T.s)as j

FROM old customer, order1,

(SELECT order1.or_id as o,SUM(order_product.amount*(price-discount)) as s

FROM order1,order_product,product

WHERE order1.orderState<>'failed' and order1.orderState<>'registered' and order1.or_id=order_product.order_id and order_product.product_id=product.p_id

GROUP by order1.or id)as T

WHERE old_customer.username=order1.username and order1.or_id=T.o)as Y



4)

SELECT

 $delivery man. d_id, delivery man. first Name, delivery man. last Name, delivery man. phone_no, delivery man. state, delivery man. credit$

FROM deliveryman ,(SELECT deliveryman.d_id as a,AVG(T.s) as b

FROM deliveryman,order1,(SELECT order_product.order_id as o,0.05*SUM(order_product.amount*(pricediscount))as s

FROM order1,order_product,product

WHERE order1.or_id=order_product.order_id and product.p_id=order_product.product_id and order1.orderState<>'failed' and order1.orderState<>'registered'

GROUP by order_product.order_id) as T

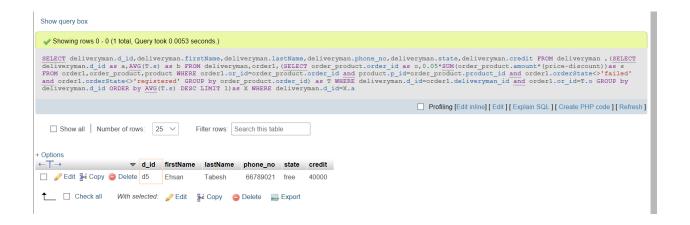
WHERE deliveryman.d_id=order1.deliveryman_id and order1.or_id=T.o

GROUP by deliveryman.d id

ORDER by AVG(T.s) DESC

LIMIT 1)as X

WHERE deliveryman.d_id=X.a



5)

SELECT *

FROM shop

where sh_id NOT IN (SELECT DISTINCT a.sh_id

FROM shop as a, shop as b

WHERE (a.closeTime-a.openTime) < (b.closeTime-b.openTime));

