1) Fetch all the Customer Details along with the product names that the customer has ordered.

select unique c.customer_id,c.customer_name,p.product_name

from customer c, product p,orders o,order_details d

where p.product_id=d.Product_Id and

o.Order_Id=d.Order_Id and o.Customer_Id=c.Customer_Id

order by c.customer_id;

```
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select unique c.customer_id,c.customer_name,p.product_name
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where p.product_id=d.Product_Id and
o.Order_Id=d.Order_Id and o.Customer_Id=c.Customer_Id
order by c.customer_id
```

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME	PRODUCT_NAME
1	John	Television
2	Smith	Home Theatre
3	Ricky	Chair
3	Ricky	Computer
3	Ricky	Ipod
3	Ricky	Washing Machine
4	Walsh	DVD
4	Walsh	Washing Machine
5	Stefen	Home Theatre
6	Fleming	Panasonic Phone

More than 10 rows available. Increase rows selector to view more rows.

10 rows returned in 0.00 seconds CSV Export

2)Fetch Order_Id, Ordered_Date, Total Price of the order (product price*qty).

select o.order_id ,ordered_date,TotalPrice from (

select order_id ,sum(quantity* Product_Price) as TotalPrice

from product p, order_details d

where d.product_id=p.product_id group by (order_id)) a,orders o

where a.order_id=o.order_id;

```
2) Fetch Order_Id, Ordered_Date, Total Price of the order (product price*qty).

select o.order_id ,ordered_date,TotalPrice from (
select order_id ,sum(quantity* Product_Price) as TotalPrice
from product p, order_details d
where  d.product_id=p.product_id group by (order_id)) a,orders o
where a.order_id=o.order_id;
```

Results Explain Describe Saved SQL History

ORDER_ID	ORDERED_DATE	TOTALPRICE
1	10-JAN-05	18400
6	13-DEC-06	3210
2	10-FEB-06	38700
4	10-MAR-06	7600
5	05-APR-07	76000
8	29-NOV-04	7600
3	20-MAR-05	88240
7	13-MAR-08	4200
9	13-JAN-05	58050
10	12-DEC-07	19000

10 rows returned in 0.00 seconds CSV Export

3)Fetch the Customer Name, who has not placed any order

select c.* from customer c

where customer_id not in (

select customer_id

from orders);

```
3) Fetch the Customer Name, who has not placed any order

select c.* from customer c
where customer_id not in (
select customer_id
from orders );
```

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME
8	David

1 rows returned in 0.00 seconds CSV Export

4) Fetch the Product Details without any order(purchase)

select p.* from product p

where product_id not in

(select product_id from order_details);

```
4) Fetch the Product Details without any order(purchase)

select p.* from product p
where product_id not in
( select  product_id
from order_details );
```

Results Explain Describe Saved SQL History

PRODUCT_ID	PRODUCT_NAME	PRODUCT_PRICE
8	Table	490
9	Sound System	12050

2 rows returned in 0.00 seconds CSV Export

5) Fetch the Customer name along with the total Purchase Amount

select Customer_Name,sum(quantity*Product_Price) as TotalPurchase_Amount

from Customer c, Product p,Order_Details d,orders o

where p.product_id=d.Product_Id and

o.Order_Id=d.Order_Id and o.Customer_Id=c.Customer_Id and

c.customer_id in

(select customer_id from orders where order_id in

(select order_id from order_details))

group by customer_name

```
5) Fetch the Customer name along with the total Purchase Amount.

select Customer_Name,sum(quantity*Product_Price) as TotalPurchase_Amount
from Customer c, Product p,Order_Details d,orders o
where p.product_id=d.Product_Id and
o.Order_Id=d.Order_Id and o.Customer_Id=c.Customer_Id and
 c.customer_id in
( select customer_id from orders where order_id in
(select order_id from order_details))
group by customer_name
```

Results Explain Describe Saved SQL History

CUSTOMER_NAME	TOTALPURCHASE_AMOUNT
John	95000
Thomson	3210
Fleming	11800
Stefen	58050
Ricky	95840
Walsh	18400
Smith	38700

7 rows returned in 0.03 seconds

6) Fetch the Customer details, who has placed the first and last order

```
select customer_name from customer
where customer_id in (
select customer_id
from orders
where ordered_date in (select min(ordered_date)
from orders))
union
select customer_name from customer
where customer_id in (
select customer_id
from orders
where ordered_date in (select max(ordered_date)
from orders))
```

```
6) Fetch the Customer details, who has placed the first and last order.
select customer_name from customer
where customer_id in (
select customer_id
from orders
where ordered_date in (select min(ordered_date)
from orders))
union
select customer_name from customer
where customer_id in (
select customer_id
from orders
where ordered_date in (select max(ordered_date)
from orders))
```

Results Explain Describe Saved SQL History

CUSTOMER_NAME
Fleming
John

2 rows returned in 0.00 seconds

7)Fetch the customer details , who has placed more number of orders

```
create view abc as
(select count(order_id) as ct,order_id from order_details group by(order_id))

select c.* from customer c, orders o
where o.customer_id=c.customer_id and order_id in
(select order_id from abc
where ct=(select max(ct) from abc))
```

```
7)Fetch the customer details , who has placed more number of orders

create view abc as
(select count(order_id) as ct,order_id from order_details group by(order_id))

select c.* from customer c, orders o
where o.customer_id=c.customer_id and order_id in
(select order_id from abc
where ct=(select max(ct) from abc))
```

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME
3	Ricky

1 rows returned in 0.00 seconds

8)Fetch the customer details, who has placed multiple orders in the same year

```
select cc.* from customer cc

where cc.customer_id in(

select c.customer_id  from customer c, orders o

where c.customer_id = o.customer_id

group by c.customer_id,extract(year from ordered_date)

having count(*) >1);
```

```
8)Fetch the customer details, who has placed multiple orders in the same year.

select cc.* from customer cc
where cc.customer_id in(
select c.customer_id  from customer c, orders o
where c.customer_id = o.customer_id
group by c.customer_id,extract(year from ordered_date)
having count(*) >1);
```

Results Explain Describe Saved SQL History

CUSTOMER_ID	CUSTOMER_NAME
1	John

1 rows returned in 0.02 seconds

9)Fetch the name of the month, in which more number of orders has been placed

create view months as

select count(extract(month from ordered_date)) as count ,extract(month from ordered_date) as month from orders

group by (extract(month from ordered_date));

select month from months

where count=(select max(count)

from months);

```
9)Fetch the name of the month, in which more number of orders has been placed.

create view months as
select count(extract(month from ordered_date)) as count ,extract(month from ordered_date) as month from orders
group by (extract(month from ordered_date));

select month from months
where count=(select max(count)
from months);
```

Results Explain Describe Saved SQL History

MONTH
3

1 rows returned in 0.00 seconds

10) Fetch the maximum priced Ordered Product?

select p.* from product p where product_price in

(select max(product_price) from product

where product_id in(

select product_id from order_details

));

```
10) Fetch the maximum priced Ordered Product

select p.* from product p where product_price in
(select max(product_price) from product
where product_id in(
select product_id from order_details
));
```

Results Explain Describe Saved SQL History

PRODUCT_ID	PRODUCT_NAME	PRODUCT_PRICE
4	Computer	35900

1 rows returned in 0.02 seconds