1.

select customer\_id,First\_name,Last\_name,Address,amount\_spent,rank

from (

select dc.customer\_id,

dc.cust\_first\_name as First\_name,

dc.cust\_last\_name as Last\_name,

dc.cust\_street\_address1 as Address,

sum(do.order\_total) as amount\_spent,

rank() over (order by sum(do.order\_total) desc) as rank

from demo\_customers dc

inner join demo\_orders do on dc.customer\_id = do.customer\_id

group by dc.customer\_id, dc.cust\_first\_name, dc.cust\_last\_name, dc.cust\_street\_address1

)

where

rank <= 3;

2.

select \*

from (

select

dc.customer\_id,

dc.cust\_first\_name as First\_name,

dc.cust\_last\_name as Last\_name,

dc.cust\_street\_address1 as Address,

COUNT(do.order\_id) as Total\_order,

DENSE\_RANK() OVER (order by COUNT(do.order\_id) desc) as dense\_rank

from

demo\_customers dc

inner join

demo\_orders do on dc.customer\_id = do.customer\_id

group by

dc.customer\_id,

dc.cust\_first\_name,

dc.cust\_last\_name,

dc.cust\_street\_address1

)

where

dense\_rank <= 3

order by

Total\_order desc;

3.

select \*

from (

select

dp.product\_id,

dp.product\_name,

dp.product\_description,

dp.category,

sum(doi.quantity) as Total\_quantity\_sold,

rank() over (order by sum(doi.quantity) desc) as rank

from

demo\_products dp

inner join

demo\_order\_items doi on dp.product\_id = doi.product\_id

group by

dp.product\_id,

dp.product\_name,

dp.product\_description,

dp.category

)

where

rank <= 3

order by

Total\_quantity\_sold desc;

4.

select

dc.cust\_last\_name as Customer\_Last\_Name,

dp.product\_name as Product\_Name,

sum(doi.quantity) as Total\_Quantity

from

demo\_customers dc

inner join demo\_orders do on dc.customer\_id = do.customer\_id

inner join demo\_order\_items doi on do.order\_id = doi.order\_id

inner join demo\_products dp on doi.product\_id = dp.product\_id

group by dc.cust\_last\_name, dp.product\_name

order by product\_name;

5.

select \*

from (

select

dc.cust\_last\_name as Customer\_Last\_Name,

dp.product\_name as Product\_Name,

sum(doi.quantity) as Total\_Quantity

from demo\_customers dc

inner join demo\_orders do on dc.customer\_id = do.customer\_id

inner join demo\_order\_items doi on do.order\_id = doi.order\_id

inner join demo\_products dp on doi.product\_id = dp.product\_id

group by dc.cust\_last\_name, dp.product\_name

)

PIVOT (

sum(Total\_Quantity)

for Product\_Name in ('Bag', 'Belt', 'Blouse','Business Shirt','Jacket','Ladies Shoes','Mens Shoes','Skirt','Trousers','Wallet')

);

6.

select order\_year,total\_orders,most\_order\_year

from (

select order\_year, total\_orders,

rank() over (order by total\_orders desc) as most\_order\_year

from (

select

to\_char(do.order\_timestamp, 'yyyy') as order\_year,

count(\*) as total\_orders

from demo\_orders do

group by to\_char(do.order\_timestamp, 'yyyy')

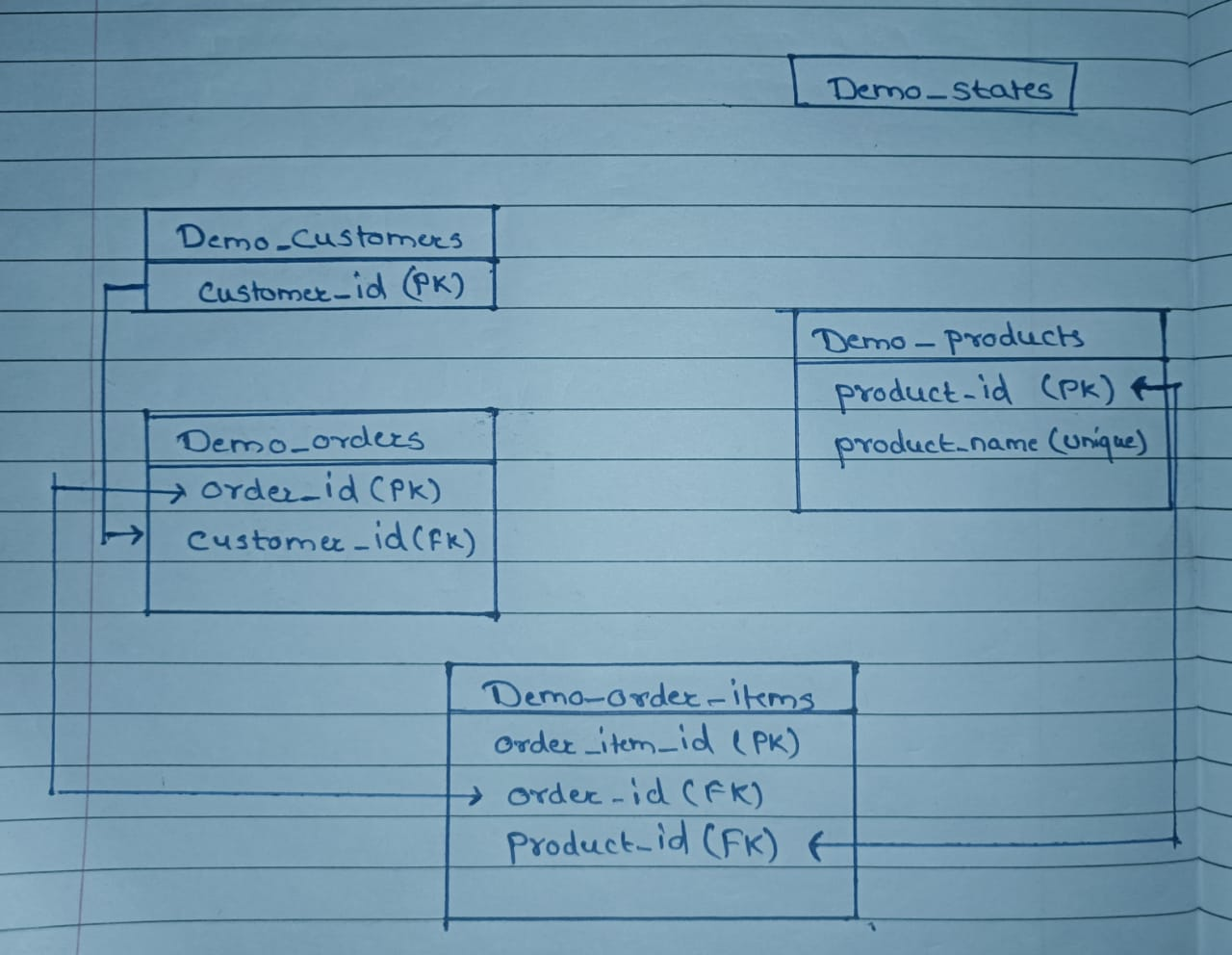
) ranked\_years

)

where

most\_order\_year = 1;

7.



8.

select category, total\_quantity\_sold, Most\_sold\_rk\_wise

from (

select dp.category,SUM(doi.quantity) as total\_quantity\_sold,

rank() over (order by sum(doi.quantity) desc) as Most\_sold\_rk\_wise

from demo\_products dp

inner join demo\_order\_items doi on dp.product\_id = doi.product\_id

group by dp.category

) ranked\_categories

where

Most\_sold\_rk\_wise = 1;

9.

select

category,

total\_quantity\_sold,

rank\_category

from (

select

dp.category,

SUM(doi.quantity) as total\_quantity\_sold,

rank() over (order by SUM(doi.quantity) desc) as rank\_category

from demo\_products dp

inner join demo\_order\_items doi ON dp.product\_id = doi.product\_id

group by dp.category

) ranked\_categories

where

rank\_category = 2;

10.

select dc.customer\_id,

dc.cust\_first\_name || ' ' || dc.cust\_last\_name as customer\_name,

dp.product\_name,

SUM(doi.quantity) as total\_quantity

from demo\_customers dc

inner join demo\_orders do on dc.customer\_id = do.customer\_id

inner join demo\_order\_items doi on do.order\_id = doi.order\_id

inner join demo\_products dp on doi.product\_id = dp.product\_id

group by rollup(dc.customer\_id, dc.cust\_first\_name, dc.cust\_last\_name, dp.product\_name)

order by dc.customer\_id, dp.product\_name;