CREATE VIEW unicorn\_orders   
AS   
  SELECT c.customer\_id,   
         c.customer\_name,   
         c.customer\_segment,   
         o.order\_id,   
         o.order\_date,   
         o.shipping\_city,   
         o.shipping\_state,   
         o.shipping\_region,   
         o.shipping\_country,   
         o.shipping\_postal\_code,   
         o.shipping\_date,   
         o.shipping\_mode,   
         od.order\_details\_id,   
         od.quantity,   
         od.order\_discount,   
         od.order\_profits,   
         od.order\_profit\_ratio,   
         od.order\_sales,   
         p.product\_id,   
         p.product\_name,   
         p.product\_category,   
         p.product\_subcategory,   
         p.product\_manufacturer   
  FROM   customers c   
         JOIN orders o   
           ON c.customer\_id = o.customer\_id   
         JOIN order\_details od   
           ON od.order\_id = o.order\_id   
         JOIN product p   
           ON p.product\_id = od.product\_id   
  GROUP  BY c.customer\_id,   
            c.customer\_name,   
            c.customer\_segment,   
            o.order\_id,   
            o.order\_date,   
            o.shipping\_city,   
            o.shipping\_state,   
            o.shipping\_region,   
            o.shipping\_country,   
            o.shipping\_postal\_code,   
            o.shipping\_date,   
            o.shipping\_mode,   
            od.order\_details\_id,   
            od.quantity,   
            od.order\_discount,   
            od.order\_profits,   
            od.order\_profit\_ratio,   
            od.order\_sales,   
            p.product\_id,   
            p.product\_name,   
            p.product\_category,   
            p.product\_subcategory,   
            p.product\_manufacturer

SELECT *Count* (customer\_id)   
FROM   customers

795

SELECT *Sum*(order\_profits),   
       shipping\_city   
FROM   unicorn\_orders   
WHERE  order\_date LIKE "%2015"   
GROUP  BY shipping\_city   
ORDER  BY *Sum*(order\_profits) DESC

New York City 14753

SELECT *Count*(DISTINCT( shipping\_city ))   
FROM   unicorn\_orders

531

SELECT *Sum*(order\_sales),   
       customer\_id   
FROM   unicorn\_orders   
GROUP  BY customer\_id   
ORDER  BY *Sum*(order\_sales) ASC

Customers sales low to high

SELECT shipping\_city,   
       shipping\_state,   
       *Sum*(order\_profits)   
FROM   unicorn\_orders   
WHERE  shipping\_state = "Tennessee"   
GROUP  BY shipping\_city   
ORDER  BY *Sum*(order\_profits) DESC

Lebanon

SELECT shipping\_city,   
       shipping\_state,   
       *Avg*(order\_profits)   
FROM   unicorn\_orders   
WHERE  shipping\_state = "Tennessee"   
       AND shipping\_city = "Lebanon"   
GROUP  BY shipping\_city

27.67

SELECT Count(customer\_segment)

FROM customers

WHERE customer\_segment = "Corporate"237

SELECT Count(customer\_segment)

FROM customers

WHERE customer\_segment = "Consumer"

410

SELECT *Count*(customer\_segment)   
FROM   unicorn\_orders   
WHERE  customer\_segment = "Home Office"

148

SELECT shipping\_state,   
       product\_category,   
       *Avg*(order\_profits)   
FROM   unicorn\_orders   
WHERE  shipping\_state = "Iowa"   
GROUP  BY product\_category   
ORDER  BY *Avg*(order\_profits) DESC

Furniture

SELECT product\_name,   
       *Count*(product\_name) product\_count,   
       product\_category   
FROM   unicorn\_orders   
WHERE  product\_category = "Furniture"   
       AND order\_date LIKE "%2016"   
GROUP  BY product\_name   
ORDER  BY product\_count DESC

With t1 as(

SELECT customer\_id, customer\_name, order\_sales,

order\_sales/(1-order\_discount) as totalprice

from unicorn\_orders)

SELECT customer\_id,

customer\_name,

sum(totalprice - order\_sales) as discount

FROM t1

GROUP BY customer\_name

ORDER BY discount DESC

WITH t1   
     AS (SELECT *Cast*(**Substr**(order\_date, **Instr**(order\_date, '/') - 2, 2) AS *INT*)   
                AS   
                   month,   
                *Sum*(order\_profits)   
                   AS profits,   
                **Lag**(*Sum*(order\_profits))   
                  OVER(   
                    ORDER BY *Cast*(**Substr**(order\_date, **Instr**(order\_date, '/') -2,   
                  2)AS   
                  *INT*   
                  )) AS   
                prev\_profit   
         FROM   unicorn\_orders   
         WHERE  order\_date LIKE "%2018"   
         GROUP  BY month)   
SELECT month,   
       profits,   
       prev\_profit,   
       profits - prev\_profit   
FROM   t1

SELECT order\_sales,

order\_date,

order\_id

FROM unicorn\_orders

WHERE order\_date LIKE "%2015"

ORDER BY order\_sales DESC

SELECT shipping\_region, shipping\_city,

Sum(quantity)

FROM unicorn\_orders

WHERE shipping\_date like "%2015" AND shipping\_region = 'East'

GROUP BY shipping\_city, shipping\_region

ORDER BY Sum(quantity) DESC