# Intermediate Query

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# Query 1

```
□--Tulis query untuk mendapatkan jumlah customer tiap bulan

--yang melakukan order pada tahun 1997.

□SELECT MONTH(OrderDate) AS mth,

COUNT(CustomerID) AS total_cust,

COUNT(DISTINCT(CustomerID)) AS total_unq_cust

FROM Orders ord

WHERE YEAR(OrderDate) = 1997

GROUP BY MONTH(OrderDate);

90 %

▼
```

# 

	mth	total_cust	total_unq_cust
1	1	33	27
2	2	29	21
3	3	30	24
4	4	31	27
5	5	32	26
6	6	30	25
7	7	33	25
8	8	33	30
9	9	37	27
10	10	38	28
11	11	34	27
12	12	48	37

```
i -- Tulis query untuk mendapatkan nama
     --employee yang termasuk Sales Representative
   □SELECT LastName, FirstName, Title
     FROM Employees
     WHERE Title = 'Sales Representative';
90 %
LastName
                FirstName
                          Title
                          Sales Representative
      Davolio
 1
                Nancy
                          Sales Representative
                Janet
2
      Leverling
                          Sales Representative
      Peacock
3
                Margaret
      Suyama
                          Sales Representative
4
                Michael
                          Sales Representative
      King
5
                Robert
      Dodsworth
                          Sales Representative
6
                Anne
```

```
--Tulis query untuk mendapatkan top 5 nama produk yang
--quantitynya paling banyak diorder pada bulan Januari 1997.

SELECT TOP 5 ProductName, SUM(Quantity) AS total_prod

FROM [Order Details] as orde

LEFT JOIN Products as prod

ON prod.ProductID = orde.ProductID

WHERE orde.OrderID IN (SELECT OrderID

FROM Orders

WHERE YEAR(OrderDate) = 1997

AND MONTH(OrderDate) = 1)

GROUP BY ProductName

ORDER BY total_prod DESC;
```

# 00 %

# 

	ProductName	total_prod	
1	Geitost	119	
2	Raclette Courdavault	115	
3	Gnocchi di nonna Alice	105	
4	Vegie-spread	100	
5	Côte de Blaye	99	

```
--Tulis query untuk mendapatkan nama company yang melakukan
    --order Chai pada bulan Juni 1997.
   SELECT CompanyName
    FROM [Order Details] as orde
    LEFT JOIN Orders as ord
        ON orde.OrderID = ord.OrderID
    LEFT JOIN Customers as cus
        ON ord.CustomerID = cus.CustomerID
    LEFT JOIN Products as prod
        ON prod.ProductID = orde.ProductID
    WHERE orde.OrderID IN (SELECT OrderID
                            FROM Orders
                            WHERE YEAR(OrderDate) = 1997
                               AND MONTH(OrderDate) = 6)
        AND ProductName = 'Chai'
    GROUP BY CompanyName;
90 %
CompanyName
     Tortuga Restaurante
1
```

```
ig−-Tulis query untuk mendapatkan jumlah OrderID yang pernah melakukan pembelian
    --(unit_price dikali quantity) <=100, 100<x<=250, 250<x<=500, dan >500.
   □WITH A AS (
                 SELECT OrderID, SUM(UnitPrice * Quantity) AS pembelian,
                         WHEN SUM(UnitPrice * Quantity) <= 100 THEN '<=100'
                         WHEN SUM(UnitPrice * Quantity) > 100
                            AND SUM(UnitPrice * Quantity) <= 250 THEN '100<x<=250'
                         WHEN SUM(UnitPrice * Quantity) > 250
                             AND SUM(UnitPrice * Quantity) <= 500 THEN '250<x<=500'
                         WHEN SUM(UnitPrice * Quantity) > 500 THEN '>500'
                     ELSE NULL END AS cat_pembelian
                 FROM [Order Details]
                GROUP BY OrderID
     SELECT cat pembelian, COUNT(OrderID) AS total order
     FROM A
    GROUP BY cat pembelian;
90 % ▼ 4
■ Results  Messages
     cat_pembelian total_order
     250<x<=500
                  118
1
     100<x<=250
                  64
2
3
     >500
                  611
     <=100
                  37
```

7

8

Bon app'

B's Beverages

**Bottom-Dollar Markets** 

```
yang metakakan pembettan at acas soo pada canan 1557.
   ĖWITH A AS (
                 SELECT cus.CompanyName,
                     orde.OrderID,
                     SUM(UnitPrice * Quantity) AS pembelian
                 FROM [Order Details] AS orde
                 LEFT JOIN Orders as ord
                     ON orde.OrderID = ord.OrderID
                 LEFT JOIN Customers as cus
                     ON ord.CustomerID = cus.CustomerID
                 WHERE orde.OrderID IN (SELECT OrderID
                             FROM Orders
                             WHERE YEAR(OrderDate) = 1997)
                 GROUP BY cus.CompanyName, orde.OrderID
                 HAVING SUM(UnitPrice * Quantity) > 500
    SELECT CompanyName
    FROM A
    GROUP BY CompanyName;
90 %
CompanyName
     Alfreds Futterkiste
1
2
     Antonio Moreno Taquería
3
     Around the Horn
4
     Berglunds snabbköp
5
     Blondesddsl père et fils
     Bólido Comidas preparadas
6
```

	ProductName	Rank_	mth	yr
1	Geitost	1	1	1997
2	Raclette Courdavault	2	1	1997
3	Gnocchi di nonna Alice	3	1	1997
4	Vegie-spread	4	1	1997
5	Côte de Blaye	5	1	1997
6	Pâté chinois	1	2	1997
7	Sirop d'érable	2	2	1997
8	Tourtière	3	2	1997
9	Gula Malacca	4	2	1997
10	Pavlova	5	2	1997
11	Raclette Courdavault	1	3	1997
12	Guaraná Fantástica	2	3	1997
13	Outback Lager	3	3	1997
14	Boston Crab Meat	4	3	1997
15	Camembert Pierrot	5	3	1997
16	Chang	5	3	1997
17	Louisiana Hot Spiced	5	3	1997
18	Gnocchi di nonna Alice	1	4	1997
19	Schoggi Schokolade	2	4	1997
20	Jack's New England	3	4	1997
21	Camembert Pierrot	4	4	1997
22	Rhönbräu Klosterbier	5	4	1997
23	Gorgonzola Telino	1	5	1997
24	Inlagd Sill	2	5	1997

```
--Buatlah view untuk melihat Order Details yang berisi OrderID,
--ProductID, ProductName, UnitPrice, Quantity, Discount, Harga setelah diskon.

CREATE VIEW [View Order Details]

AS
SELECT OrderID, orde.ProductID, ProductName,
orde.UnitPrice, Quantity, Discount,
orde.UnitPrice - ( orde.UnitPrice * Discount ) AS [Harga setelah diskon]

FROM [Order Details] AS orde
LEFT JOIN Products as prod
ON prod.ProductID = orde.ProductID;

%

Messages

Commands completed successfully.

Completion time: 2023-01-29T22:37:12.4084335+07:00
```

```
dustomerID, CustomerName/company name,
  --OrderID, OrderDate, RequiredDate, ShippedDate jika terdapat inputan CustomerID tertentu.
 CREATE PROCEDURE proc Orders (
      @CustomerID AS varchar(5)
      ) AS
 BEGIN
 ☐IF @CustomerID IN (SELECT ord.CustomerID
                   FROM Orders AS ord
                   GROUP BY CustomerID)
 ĖBEGIN
 SELECT ord.CustomerID, cus.CompanyName, OrderID, OrderDate, RequiredDate, ShippedDate
  FROM Orders AS ord
  LEFT JOIN Customers as cus
      ON ord.CustomerID = cus.CustomerID
  WHERE ord.CustomerID = @CustomerID;
  END
  ELSE
 ĖBEGIN
      RETURN PRINT 'CustomerID not Exist in Table Orders';
  END
  END;
   - - - (
Messages
Commands completed successfully.
Completion time: 2023-01-29T22:38:16.4808214+07:00
```