1. Tulis query untuk mendapatkan jumlah customer tiap bulan yang melakukan order pada tahun 1997.

```
select month(o.OrderDate) as Month, year(o.OrderDate) as Year, count(c.CustomerID) as
TotalCustomerEveryMonth
from dbo.Customers c
left join dbo.Orders o on c.CustomerID=o.CustomerID
where year(o.OrderDate)='1997'
group by month(o.OrderDate), year(o.OrderDate)
```

	Month	Year	TotalCustomerEveryMonth
1	1	1997	33
2	2	1997	29
3	3	1997	30
4	4	1997	31
5	5	1997	32
6	6	1997	30
7	7	1997	33
8	8	1997	33
9	9	1997	37
10	10	1997	38
11	11	1997	34
12	12	1997	48

Camembert Pierrot 1

4

Hasil

2. Tulis query untuk mendapatkan nama employee yang termasuk Sales Representative.

```
select FirstName+(' ')+LastName as EmployeeName, Title
from dbo.Employees
where Title='Sales Representative'
Hasil
     EmployeeName
     Nancy Davolio Sales Representative
2
     Janet Leverling
                    Sales Representative
3
     Margaret Peacock Sales Representative
4
     Michael Suyama
                    Sales Representative
5
     Robert King
                     Sales Representative
     Anne Dodsworth
                    Sales Representative
```

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

```
select top 5
p.ProductName, month(o.OrderDate) as Month, year(o.OrderDate) as Year,
sum(od.Quantity) as TotalOrder
from dbo.Products p
left join dbo.[Order Details] od on p.ProductID=od.ProductID
left join dbo.Orders o on od.OrderID=o.OrderID
where month(o.OrderDate)='1' and year(o.OrderDate)='1997'
group by p.ProductName, month(o.OrderDate), year(o.OrderDate)
Hasil
                               TotalOrder
                   Month Year
     ProductName
                          1997 97
     Alice Mutton
                    1
                          1997 50
2
     Aniseed Syrup
                    1
     Boston Crab Meat 1
                          1997 52
3
```

1997 60

1997 34

4. Tulis query untuk mendapatkan nama company yang melakukan order Chai pada bulan Juni 1997.

```
select c.CompanyName
from dbo.Customers c
left join dbo.Orders o on c.CustomerID=o.CustomerID
left join dbo.[Order Details] od on o.OrderID=od.OrderID
left join dbo.Products p on od.ProductID=p.ProductID
where p.ProductName='Chai' and year(o.OrderDate)='1997' and month(o.OrderDate)='6'
group by c.CompanyName
Hasil
     CompanyName
    Tortuga Restaurante
```

5. Tulis query untuk mendapatkan jumlah OrderID yang pernah melakukan pembelian (unit price dikali quantity) <=100, 100<x<=250, 250<x<=500, dan >500.

Jumlah OrderID <=100 select count (OrderID) as 'TotalBuy<=100'</pre> from dbo.[Order Details] where UnitPrice * Quantity<=100 hasil TotalBuy<=100 351 Jumlah OrderID >500 select count (OrderID) as 'TotalBuy>500' from dbo.[Order Details] where UnitPrice * Quantity>500 hasil TotalBuy>500 800 1 100<=Jumlah OrderID <250 select count (OrderID) as '100<TotalBuy<=250'</pre> from dbo.[Order Details] where UnitPrice * Quantity>100 and UnitPrice * Quantity<=250 hasil 100<TotalBuy<=250 472 250<=Jumlah OrderID <500 select count (OrderID) as '250<TotalBuy<=500'</pre>

from dbo.[Order Details] where UnitPrice * Quantity>250 and UnitPrice * Quantity<=500

hasil 250<TotalBuy<=500

> 6. Tulis query untuk mendapatkan Company name pada tabel customer yang melakukan pembelian di atas 500 pada tahun 1997.

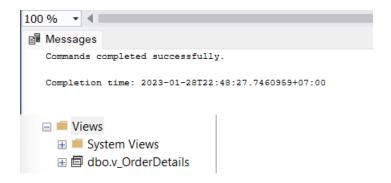
```
select c.CompanyName, sum(od.Quantity) as TotalOrder
from dbo.Customers c
```

```
left join dbo.Orders o on c.CustomerID=o.CustomerID
left join dbo.[Order Details] od on o.OrderID=od.OrderID
where year(o.OrderDate)='1997'
group by c.CompanyName
having sum(od.Quantity)> 500
order by sum(od.Quantity) desc
Hasil
     CompanyName
                             TotalOrder
      Save-a-lot Markets
                             2574
 2
      QUICK-Stop
                             2172
     Ernst Handel
                             1950
 3
     Hungry Owl All-Night Grocers
                             799
 5
     Mère Paillarde
 6
     HILARION-Abastos
                             650
 7
                             597
     Frankenversand
      Wartian Herkku
                             550
 8
      Rattlesnake Canyon Grocery 540
 9
 10
     Queen Cozinha
                             527
 11 White Clover Markets
                             518
```

7. Tulis query untuk mendapatkan nama produk yang merupakan Top 5 sales tertinggi tiap bulan di tahun 1997.

```
select top 5
p.ProductName, sum(od.UnitPrice) * sum(od.Quantity) as TotalSales, month(o.OrderDate)
as Month
from dbo.Products p
left join dbo.[Order Details] od on p.ProductID=od.ProductID
left join dbo.Orders o on od.OrderID=o.OrderID
where year(o.OrderDate)='1997'
group by p.ProductName, month(o.OrderDate)
order by sum(od.UnitPrice) * sum(od.Quantity) desc
hasil
     ProductName
                        TotalSales Month
    Côte de Blaye
                        41738,40
                        39856.00
     Manjimup Dried Apples
                                 12
     Thüringer Rostbratwurst 35651,52
                                12
                        28512,00
                                 3
     Raclette Courdavault
     Raclette Courdavault
                        25575.00
```

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



9. Buatlah procedure Invoice untuk memanggil CustomerID, CustomerName/company name, OrderID, OrderDate, RequiredDate, ShippedDate jika terdapat inputan CustomerID tertentu.

	name	id	xtype	uid	info	status	base_schema_ver	replinfo	parent_obj
1	sp_upgraddiagrams	1845581613	Р	1	0	0	0	0	0
2	sp_helpdiagrams	1909581841	Р	1	0	0	0	0	0
3	sp_helpdiagramdefinition	1925581898	Р	1	0	0	0	0	0
4	sp_creatediagram	1941581955	Р	1	0	0	0	0	0
5	sp_renamediagram	1957582012	Р	1	0	0	0	0	0
6	sp_alterdiagram	1973582069	Р	1	0	0	0	0	0
7	sp_dropdiagram	1989582126	Р	1	0	0	0	0	0
8	Customer	2069582411	Р	1	0	0	0	0	0

exec Customer @CustomerID = 'ALFKI'

	CustomerID	CompanyName	ContactName	OrderID	OrderDate	RequiredDate	ShippedDate
1	ALFKI	Alfreds Futterkiste	Maria Anders	10643	1997-08-25 00:00:00.000	1997-09-22 00:00:00.000	1997-09-02 00:00:00.000
2	ALFKI	Alfreds Futterkiste	Maria Anders	10692	1997-10-03 00:00:00.000	1997-10-31 00:00:00.000	1997-10-13 00:00:00.000
3	ALFKI	Alfreds Futterkiste	Maria Anders	10702	1997-10-13 00:00:00.000	1997-11-24 00:00:00.000	1997-10-21 00:00:00.000
4	ALFKI	Alfreds Futterkiste	Maria Anders	10835	1998-01-15 00:00:00.000	1998-02-12 00:00:00.000	1998-01-21 00:00:00.000
5	ALFKI	Alfreds Futterkiste	Maria Anders	10952	1998-03-16 00:00:00.000	1998-04-27 00:00:00.000	1998-03-24 00:00:00.000
6	ALFKI	Alfreds Futterkiste	Maria Anders	11011	1998-04-09 00:00:00.000	1998-05-07 00:00:00.000	1998-04-13 00:00:00.000