

Sorular

1

Tüm satışlar içinde son gün yapılan satışları bulunuz.

Tablolar: *Sales_Orders*

You can write a self-contained subquery that returns the maximum order date from the *Orders* table.

You can refer to the subquery in the *WHERE* clause of the outer query to return all orders that were placed on the last day of activity. Here's the solution query.

orderid	orderdate	custid	empid
11077	2008-05-06 00:00:00.000	65	1
11076	2008-05-06 00:00:00.000	9	4
11075	2008-05-06 00:00:00.000	68	8
11074	2008-05-06 00:00:00.000	73	7

3

1 Mayıs 2008' de veya daha sonra sipariş almayan çalışanları BULAN bir sorgu yazınız.

Tablolar: *HR_Employees* ve *Sales_Orders*

Write a query that returns employees who did not place orders on or after May 1, 2008.

empid	FirstName	lastname
3	Judy	Lew
5	Sven	Buck
6	Paul	Suurs
9	Zoya	Dolgopyatova

4

Write a query that returns countries where there are customers but not employees.

..Tablolar: *Sales_Customers* ve *HR_Employees*

```
country
-----
Argentina
Austria
Belgium
Brazil
Canada
Denmark
Finland
France
Germany
Ireland
Italy
Mexico
Norway
Poland
Portugal
Spain
Sweden
Switzerland
Venezuela

(19 row(s) affected)
```

5 Her bir müşterinin en son sipariş verdiği günün siparişlerini listeleyiniz.

Tablolar : *Sales_Orders*

Write a query that returns for each customer all orders placed on the customer's last day of activity

custid	orderid	orderdate	empid
1	11011	2008-04-09 00:00:00.000	3
2	10926	2008-03-04 00:00:00.000	4
3	10856	2008-01-28 00:00:00.000	3
4	11016	2008-04-10 00:00:00.000	9
5	10924	2008-03-04 00:00:00.000	3
...			
87	11025	2008-04-15 00:00:00.000	6
88	10935	2008-03-09 00:00:00.000	4
89	11066	2008-05-01 00:00:00.000	7
90	11005	2008-04-07 00:00:00.000	2
91	11044	2008-04-23 00:00:00.000	4

--Yukarıdaki Soru şu şekilde olsaydı
--Her bir müşterinin en son verdiği siparişini listeleyiniz.
--Bu durumda en son verilen ve girildiği unutulmuş sonradan girilen
--siparişleri listeler
--Bunu aşağıdaki kod ile çözebiliriz

Select

```
o1.custid  
,o1.orderid  
,o1.orderdate  
,o1.empid
```

From

```
Sales_Orders o1
```

Where

```
o1.orderid =  
  
(  
    Select max(o2.orderid)  
    From Sales_Orders o2  
    Where o2.custid = o1.custid  
)
```

Order By

```
Custid  
,orderid desc;
```

6

2007 yılında siparişi olan fakat
2008 yılında olmayan
müşterileri bulunuz.

..Tablolar: *Sales_Customers*
and *Sales_Orders*

Write a query that returns
customers who placed orders
in 2007 but not in 2008.

custid	companyname
-----	-----
21	Customer KIDPX
23	Customer WVFAF
33	Customer FVXPQ
36	Customer LVJSO
43	Customer UISOJ
51	Customer PVDZC
85	Customer ENQZT

7

12 nolu malzemeyi sipariş veren müşterileri listeleyiniz.

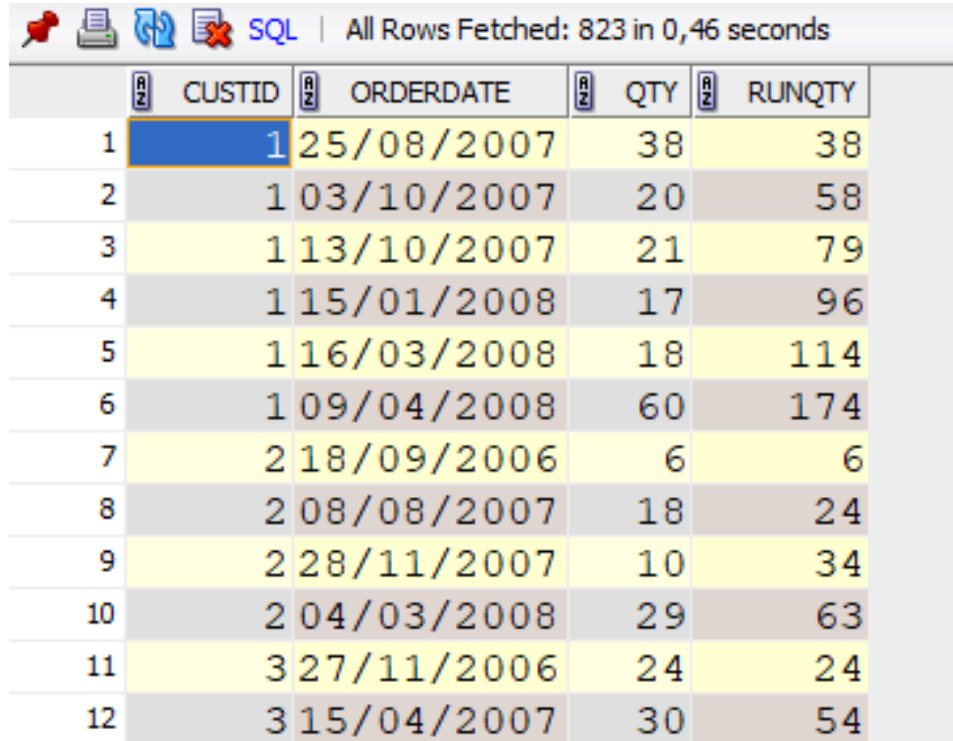
..Tablolar : *Sales_Customers*, *Sales_Orders* and *Sales_OrderDetails*





custid	companyname
48	Customer DVFMB
39	Customer GLLAG
71	Customer LCOUJ
65	Customer NYUHS
44	Customer OXFRU
51	Customer PVDZC
86	Customer SNXOJ
20	Customer THHDP
90	Customer XBBVR
46	Customer XPNIK
31	Customer YJCBX
87	Customer ZHYOS

8

Müşterilerin siparişleri ve ilerleyen tutar toplamalarını ay bazında listeleyiniz.

..Tablolar : Sales_*CustOrders*



	 CUSTID	 ORDERDATE	 QTY	 RUNQTY
1	1	25/08/2007	38	38
2	1	03/10/2007	20	58
3	1	13/10/2007	21	79
4	1	15/01/2008	17	96
5	1	16/03/2008	18	114
6	1	09/04/2008	60	174
7	2	18/09/2006	6	6
8	2	08/08/2007	18	24
9	2	28/11/2007	10	34
10	2	04/03/2008	29	63
11	3	27/11/2006	24	24
12	3	15/04/2007	30	54

Cevapları ile beraber

1

Tüm satışlar içinde son gün yapılan satışları bulunuz.

Tablolar: *Sales_Orders*

You can write a self-contained subquery that returns the maximum order date from the *Orders* table.

You can refer to the subquery in the *WHERE* clause of the outer query to return all orders that were placed on the last day of activity. Here's the solution query.

```
--Ali TOPACIK
```

```
Select
```

```
o1.orderid,  
o1.orderdate,  
o1.custid,  
o1.empid
```

```
From Sales_Orders o1
```

```
Where o1.orderdate=
```

```
(Select max(o2.orderdate)
```

```
From Sales_Orders o2
```

```
--where o2.custid = o1.custid
```

```
--Her müşterinin son yaptığı sipariş
```

```
--olsaydı Burası aktif olması gerekirdi
```

```
--Ancak aktif edersek custid=40 olan müşt
```

```
--Açıklayınız
```

```
)
```

```
order by o1.orderid desc
```

orderid	orderdate	custid	empid
11077	2008-05-06 00:00:00.000	65	1
11076	2008-05-06 00:00:00.000	9	4
11075	2008-05-06 00:00:00.000	68	8
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1 Mayıs 2008' de veya daha sonra sipariş almayan çalışanları BULAN bir sorgu yazınız.

Tablolar: *HR_Employees* ve *Sales_Orders*

Write a query that returns employees who did not place orders on or after May 1, 2008.

empid	FirstName	lastname
3	Judy	Lew
5	Sven	Buck
6	Paul	Suurs
9	Zoya	Dolgopyatova

--Ali TOPACIK

Select

e.empid,
e.firstname,
e.lastname

From HR_Employees e

Where e.empid not in

(
Select distinct empid
From Sales_Orders
Where orderdate >= ' 01/05/2008'
);

4

Write a query that returns countries where there are customers but not employees.

..Tablolar: *Sales_Customers* ve *HR_Employees*

```
country
-----
Argentina
Austria
Belgium
Brazil
Canada
Denmark
Finland
France
Germany
Ireland
Italy
Mexico
Norway
Poland
Portugal
Spain
Sweden
Switzerland
Venezuela

(19 row(s) affected)
```

```
Select C.country
From Sales_Customers C
Where C.country not in
    (Select e.country
     From HR_Employees e
     Group By e.country
    )

GROUP BY C.country;

--2.Yol
Select
    Distinct C.country
From
    Sales_Customers C
Where C.country not in
    (Select Distinct e.country
     From HR_Employees e
    );
```

5 Her bir müşterinin en son sipariş verdiği günün siparişlerini listeleyiniz.

Tablolar : *Sales_Orders*

Write a query that returns for each customer all orders placed on the customer's last day of activity

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90	11005	2008-04-07 00:00:00.000	2
91	11044	2008-04-23 00:00:00.000	4

```
--Ali TOPACIK
SELECT
    o1.custid,
    o1.orderid,
    o1.orderdate,
    o1.empid
    --,o1.*
FROM Sales_Orders o1
Where o1.orderdate =
    (Select max(o2.orderdate)
     From Sales_Orders o2
     Where o2.custid=o1.custid
    )
ORDER BY o1.custid;
-- Yukarıdaki sorguda 40 nolu custid tekrar eder
--Soru şu şekilde olsaydı
--Her bir müşterinin en son sipariş verdiği günün siparişlerini listeleyiniz.
-- bunu aşağıdaki kod ile çözebiliriz
Select
    o1.custid
    ,o1.orderid
    ,o1.orderdate
    ,o1.empid
From
Sales_Orders o1
Where
o1.orderdate =
    (
        Select max(o2.orderdate)
        From Sales_Orders o2
        Where o2.custid = o1.custid
    )
and o1.orderid =
    (
        Select max(o2.orderid)
        From Sales_Orders o2
        Where o2.custid = o1.custid
    )
Order By Custid ,orderid desc;
```

--Yukarıdaki Soru şu şekilde olsaydı
--Her bir müşterinin en son verdiği siparişini listeleyiniz.
--Bu durumda en son verilen ve girildiği unutulmuş sonradan girilen
--siparişleri listeler
--Bunu aşağıdaki kod ile çözebiliriz

Select

```
o1.custid  
,o1.orderid  
,o1.orderdate  
,o1.empid
```

From

```
Sales_Orders o1
```

Where

```
o1.orderid =  
  
(  
    Select max(o2.orderid)  
    From Sales_Orders o2  
    Where o2.custid = o1.custid  
)
```

Order By

```
Custid  
,orderid desc;
```

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2007 yılında siparişi olan fakat
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33	Customer FVXPQ
36	Customer LVJSO
43	Customer UISOJ
51	Customer PVDZC
85	Customer ENQZT

```
Select c.custid, c.companyname
From Sales_Customers c
Where c.custid in
    (Select o1.custid
     From Sales_Orders o1
     Where o1.orderdate >= '01/01/2007' and o1.orderdate < '01/01/2008'
    )
and c.custid not in
    (Select o1.custid
     From Sales_Orders o1
     Where o1.orderdate >= '01/01/2008' and o1.orderdate < '01/01/2009'
    )
Order by c.custid;
```

--2.Yol

```
Select c.custid, c.companyname
From Sales_Customers c
Where c.custid in
    (Select o1.custid
     From Sales_Orders o1
     Where To_Char(o1.orderdate, 'YYYY') = '2007')
and c.custid not in
    (Select o2.custid
     From Sales_Orders o2
     Where To_Char(o2.orderdate, 'YYYY') = '2008')
order by c.custid;
```


--EXISTS ile çözüm

SELECT

 custid,
 companyname

FROM Sales_Customers c

WHERE

 EXISTS

 (SELECT *
 FROM Sales_Orders o
 WHERE o.custid = c.custid
 AND To_Char(o.orderdate, 'YYYY') = '2007')

 AND NOT EXISTS

 (SELECT *
 FROM Sales_Orders o
 WHERE
 o.custid = c.custid
 AND To_Char(o.orderdate, 'YYYY') >= '2008');

7

12 nolu malzemeyi sipariş veren müşterileri listeleyiniz.

..Tablolar : *Sales_Customers*, *Sales_Orders* and *Sales_OrderDetails*

custid	companyname
48	Customer DVFMB
39	Customer GLLAG
71	Customer LCOUJ
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44	Customer OXFRU
51	Customer PVDZC
86	Customer SNXOJ
20	Customer THHDP
90	Customer XBBVR
46	Customer XPNIK
31	Customer YJCBX
87	Customer ZHYOS

--1.Yol

```
Select
    c.custid
    ,c.companyname
From
    Sales_Customers c
Where
    c.custid in
    (
        Select
            o.custid
        From
            Sales_Orders o
        Join
            Sales_OrderDetails od
        on o.orderid = od.orderid

        Where od.productid = 12
    )
Order By 2;
```

--2.Yol

```
Select
    c.custid,
    c.companyname
From Sales_Customers c
join Sales_Orders o
on c.custid = o.custid
Where o.orderid in
    (Select od.orderid
     From Sales_OrderDetails od
     Where od.productid = '12')
Group by c.custid, c.companyname
order by c.companyname;
```

--3.Yol

```
Select
    c.custid,
    c.companyname
From Sales_Customers c
join Sales_Orders o
on c.custid = o.custid

join Sales_OrderDetails od
on o.orderid = od.orderid
and od.productid = '12'

Group by c.custid, c.companyname
order by c.companyname;
```

--EXISTS ile çözüm

```
SELECT distinct
    custid,
    companyname

FROM
    Sales_Customers C

WHERE EXISTS

    (SELECT *
      FROM Sales_Orders O
      WHERE
          O.custid = C.custid
          AND EXISTS
              (SELECT *
                FROM Sales_OrderDetails od
                WHERE
                    od.orderid = o.orderid
                    and      od.productid = 12)
    );
```

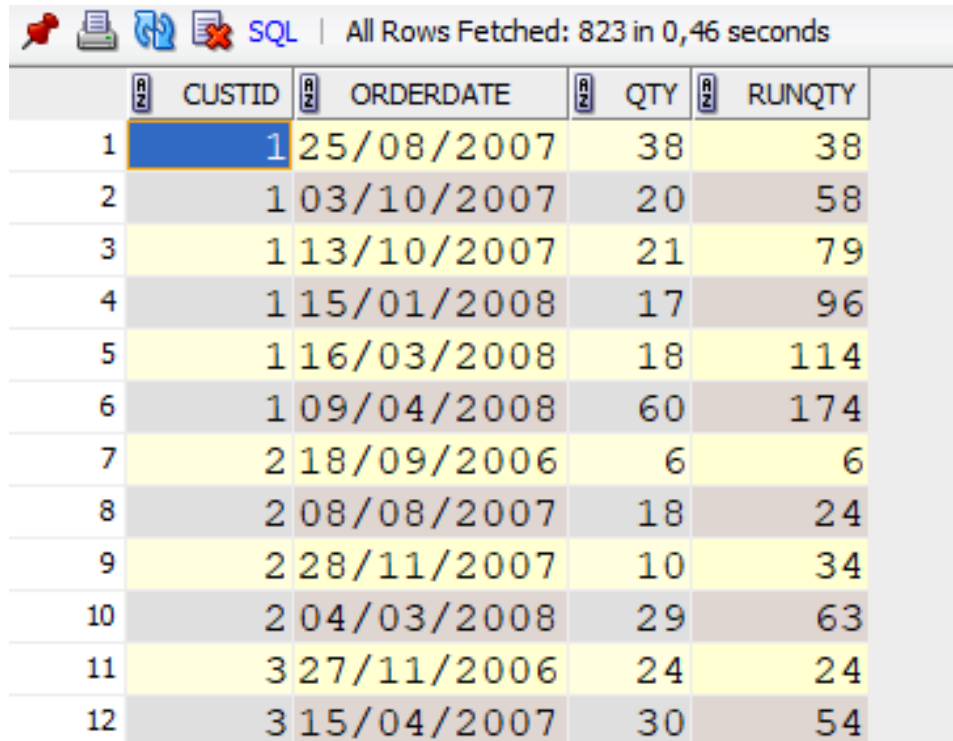
-- 8.Soru icin bir view olusturalım

```
CREATE or REPLACE VIEW vw_Sales_CustOrders AS
SELECT
    O.custid,
    O.orderdate,
    SUM(OD.qty) AS qty
FROM Sales.Orders O
    JOIN Sales.OrderDetails OD ON OD.orderid = O.orderid
GROUP BY o.custid, o.orderdate
Order By o.custid, o.orderdate;
```

8

Müşterilerin siparişleri ve ilerleyen tutar toplamalarını ay bazında listeleyiniz.

..Tablolar : Sales_*CustOrders*



	AZ	CUSTID	AZ	ORDERDATE	AZ	QTY	AZ	RUNQTY
1		1		25/08/2007		38		38
2		1		03/10/2007		20		58
3		1		13/10/2007		21		79
4		1		15/01/2008		17		96
5		1		16/03/2008		18		114
6		1		09/04/2008		60		174
7		2		18/09/2006		6		6
8		2		08/08/2007		18		24
9		2		28/11/2007		10		34
10		2		04/03/2008		29		63
11		3		27/11/2006		24		24
12		3		15/04/2007		30		54

Select

```
s1.custid,  
s1.orderdate,  
s1.qty,  
    (Select Sum(s2.qty)  
     From vw_Sales_CustOrders s2  
     Where s1.custid=s2.custid  
         and s2.orderdate <= s1.orderdate  
    ) As RunQty
```

```
From vw_Sales_CustOrders s1  
Order by s1.custid, s1.orderdate;
```