

QUIZ MODUL 3

Nama : Muhammad Azhar Utama

NRP : 223040077

Kelas : B

Quiz 1

View Parameters

GO

---quiz 1---

---MUHAMMD AZHAR UTAMA---

```
SELECT custid,  
      orderid,  
       qty,  
       RANK() OVER (PARTITION BY custid ORDER BY qty) AS rank,  
       DENSE_RANK() OVER (PARTITION BY custid ORDER BY qty) AS drnk  
  
FROM dbo.Orders  
ORDER BY custid,qty;
```

Output -MUHAMMD AZHAR UTAMA-- X

11 rows

	custid	orderid	qty	rank	drnk
1	A	30001	10	1	1
2	A	40005	10	1	1
3	A	10001	12	3	2
4	A	40001	40	4	3
5	B	20001	12	1	1
6	B	30003	15	2	2
7	B	10005	20	3	3
8	C	10006	14	1	1
9	C	20002	20	2	2
10	C	30004	22	3	3
11	D	30007	30	1	1

QUIZ 2

```
---quiz 2---
---MUHAMMD AZHAR UTAMA---
SELECT
    empid,
    COUNT(CASE WHEN YEAR(orderdate) = 2007 THEN 1 END) AS cnt2007,
    COUNT(CASE WHEN YEAR(orderdate) = 2008 THEN 1 END) AS cnt2008,
    COUNT(CASE WHEN YEAR(orderdate) = 2009 THEN 1 END) AS cnt2009
FROM
    dbo.orders
GROUP BY
    empid;
```

Output Result 6 X

3 rows

	empid	cnt2007	cnt2008	cnt2009
1	1	1	1	1
2	2	1	2	1
3	3	2	0	2

QUIZ 3

```

---quiz 3---
---MUHAMMD AZHAR UTAMA---
✓ SELECT
    GROUPING_ID(empid, custid, YEAR(orderdate)) AS groupingset,
    empid,
    custid,
    YEAR(orderdate) AS orderyear,
    SUM(qty) AS sumqty
FROM
    dbo.Orders
GROUP BY
    GROUPING SETS (
        (empid, custid, YEAR(orderdate)),
        (empid, YEAR(orderdate)),
        (custid, YEAR(orderdate)),
        (YEAR(orderdate))
    );

```

	groupingset	empid	custid	orderyear	sumqty
1	0	2	A	2007	12
2	0	3	A	2007	10
3	4	<null>	A	2007	22
4	0	1	B	2007	20
5	4	<null>	B	2007	20
6	0	3	C	2007	22
7	4	<null>	C	2007	22
8	6	<null>	<null>	2007	64
9	0	2	A	2008	40
10	4	<null>	A	2008	40
11	0	2	B	2008	12
12	4	<null>	B	2008	12
13	0	1	C	2008	14
14	4	<null>	C	2008	14
15	6	<null>	<null>	2008	66
16	0	3	A	2009	10
17	4	<null>	A	2009	10
18	0	2	B	2009	15
19	4	<null>	B	2009	15
20	0	1	C	2009	20
21	4	<null>	C	2009	20
22	0	3	D	2009	30
23	4	<null>	D	2009	30
24	6	<null>	<null>	2009	75
25	2	1	<null>	2007	20

26	2	2 <null>	2007	12
27	2	3 <null>	2007	32
28	2	1 <null>	2008	14
29	2	2 <null>	2008	52
30	2	1 <null>	2009	20
31	2	2 <null>	2009	15
32	2	3 <null>	2009	40