

TUGAS DBMS
Oleh Anggita Puspaningrum – L200160096

1. Query untuk menampilkan daftar barang yang terjual pada tanggal tertentu.

Jawab :

```
SELECT products.productCode, products.productName, orderdetails.quantityOrdered FROM
orders, orderdetails, products
WHERE orders.orderNUMBER= orderdetails.orderNumber AND products.productCode =
orderdetails.productCode AND orders.orderDate = "2003-01-06" AND orders.status NOT IN
('cancelled')
GROUP BY products.productCode;
```

2. Store procedure soal nomor 2 dengan output nilai uang yang diperoleh tanggal tersebut dan table daftar barang.

Jawab :

```
DELIMITER //
CREATE PROCEDURE cek(IN tanggal varchar(10),
OUT total int)
BEGIN
SELECT
SUM(orderdetails.quantityOrdered*orderdetails.price
Each) INTO total
FROM orders, orderdetails, products
WHERE orders.orderNumber = orderdetails.orderNumber AND products.productCode =
orderdetails.productCode AND orders.orderDate = tanggal AND orders.status NOT IN
('cancelled');
SELECT products.productCode, products.productName, orderdetails.quantityOrdered FROM
orders, orderdetails, products
WHERE orders.orderNumber = orderdetails.orderNumber AND products.productCode =
orderdetails.productCode AND orders.orderDate = tanggal AND orders.status NOT IN
('cancelled')
GROUP BY products.productCode;
END//
```

3. Store procedure untuk menampilkan daftar customer yang melakukan pembelian (order) selama satu minggu terakhir, sebagai output adalah jumlah pelanggan dan daftar pelanggan.

Jawab:

```
DELIMITER //
CREATE PROCEDURE cekcustomers(IN bulan int, IN tahun int, OUT jumlah int)
BEGIN
SELECT count(distinct customerNumber) INTO jumlah FROM orders
WHERE month(orderdate)=bulan AND Year(orderdate)= tahun AND
Day(orderdate) > 24
SELECT customers.customerNumber, customers.customerName
FROM customers, orders
WHERE customers.customerNumber = orders.customerNumber AND
Month(orders.orderDate) = bulan AND Year(orders.orderDate) = tahun AND
Day(orders.orderDate) > 24
Group by customers.customerNumber;
END//
DELIMITER;
```

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Tugas Database View

```
MariaDB [classicmodels]> CREATE VIEW LaporanJual AS
-> SELECT
-> DAY(orderDate) as Tanggal,
-> MONTH(orderDate) as Bulan
-> ,Year(orderDate) as Tahun,
-> count(orderDate) as Total
-> from orders
-> where orderDate BETWEEN "2003-01-06" AND "2003-02-11"
-> group by orderDate order by orderDate;
Query OK, 0 rows affected (0.09 sec)

MariaDB [classicmodels]> select * from LaporanJual;
+-----+-----+-----+-----+
| Tanggal | Bulan | Tahun | Total |
+-----+-----+-----+-----+
|      6 |     1 | 2003 |      3 |
|     10 |     1 | 2003 |      1 |
|     29 |     1 | 2003 |      1 |
|     31 |     1 | 2003 |      1 |
|     11 |     2 | 2003 |      1 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [classicmodels]>
```