

## Tugas Basis Data Lanjut Tugas 2

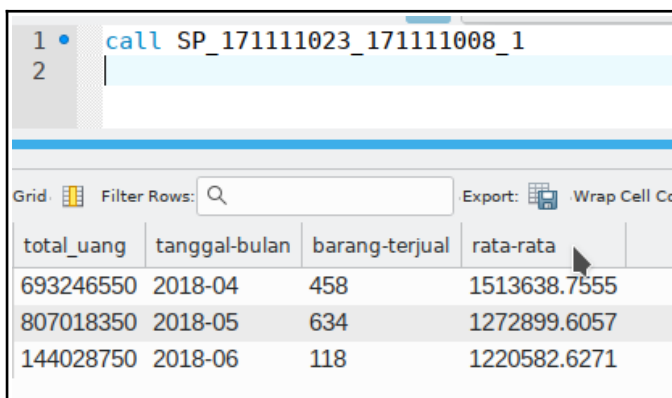
Panji Iman Baskoro (171111023)  
Teofilus Jodi Saputra (171111008)

Soal 1 : Membuat SP untuk menampilkan hasil penjualan toko dalam 1 bulan

Query :

```
create procedure SP_171111023_171111008_1()  
select sum(b.SUB_TOTAL) as 'total_uang', substring(a.tanggal,1,7) as 'tanggal-bulan',  
sum(b.jumlah_barang) as 'barang-terjual', (sum(b.SUB_TOTAL)/sum(b.JUMLAH_BARANG)) as  
'rata-rata' from PEMBELIAN a join DETAIL_PEMBELIAN b on a.ID_PEMBELIAN = b.ID_PEMBELIAN  
group by substring(a.TANGGAL,1,7)
```

Pemanggilan SP :



The screenshot shows a SQL Server Enterprise Manager interface. The top pane displays the execution of the stored procedure `call SP_171111023_171111008_1`. The bottom pane shows a grid of results with the following data:

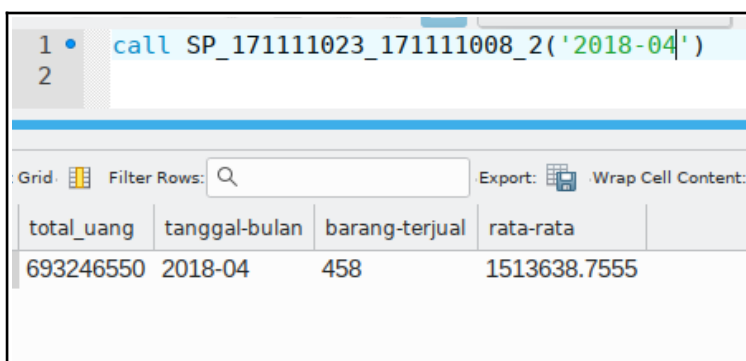
total_uang	tanggal-bulan	barang-terjual	rata-rata
693246550	2018-04	458	1513638.7555
807018350	2018-05	634	1272899.6057
144028750	2018-06	118	1220582.6271

Soal 2 : Membuat SP untuk menampilkan hasil penjualan dalam 1 bulan berdasarkan parameter

Query :

```
create procedure SP_171111023_171111008_2(budosen varchar(20))  
select sum(b.SUB_TOTAL) as 'total_uang', substring(a.tanggal,1,7) as 'tanggal-bulan',  
sum(b.jumlah_barang) as 'barang-terjual', (sum(b.SUB_TOTAL)/sum(b.JUMLAH_BARANG)) as 'rata-rata'  
from PEMBELIAN a join DETAIL_PEMBELIAN b on a.ID_PEMBELIAN = b.ID_PEMBELIAN where  
substring(a.TANGGAL,1,7) = budosen
```

Pemanggilan SP :



The screenshot shows a SQL Server Enterprise Manager interface. The top pane displays the execution of the stored procedure `call SP_171111023_171111008_2('2018-04')`. The bottom pane shows a grid of results with the following data:

total_uang	tanggal-bulan	barang-terjual	rata-rata
693246550	2018-04	458	1513638.7555

Soal 3 : Membuat SP untuk mengetahui hasil penjualan semua orang, menampilkan nama orang, toko, kota dan total penjualan

Query :

```
create procedure SP_171111023_171111008_3()
select a.ID_KARYAWAN,a.NAMA_KARYAWAN,b.NAMA_TOKO,b.KOTA___TOKO,
count(c.ID_KARYAWAN),sum(d.JUMLAH_BARANG),sum(d.SUB_TOTAL) from
TOKO b join KARYAWAN a on a.ID_TOKO = b.ID_TOKO join PEMBELIAN c on
a.ID_KARYAWAN = c.ID_KARYAWAN join DETAIL_PEMBELIAN d on c.ID_PEMBELIAN = d.ID_PEMBELIAN
group by b.KOTA___TOKO order by sum(d.SUB_TOTAL) desc;
```

Pemanggilan SP :

1 • call SP\_171111023\_171111008\_3

ID_KARYAWAN	NAMA_KARYAWAN	NAMA_TOKO	KOTA___TOKO	count(c.ID_KARYAWAN)	sum(d.JUMLAH_BARANG)	sum(d.SUB_TOTAL)
KR007	Sholeh	CHE.R.RY STORE	BANDUNG	80	201	345198600
KR003	Sarah	WOB NIAR STORE	MALANG	90	226	328381050
KR002	Ahmad	NIR STORE	JAKARTA	90	244	276521300
KR004	Akbar	ES.CAR STORE	SURABAYA	80	208	248362750
KR006	Bowo	GREENALIVE STORE	YOGYAKARTA	80	189	231391850
KR005	Agus	FFLOWER STORE	SOLO	80	142	214438100

List SP :

1 x show procedure status  
2

#	Db	Name	Type	Definer	Modified	Created	Security_type	Comment	chara
1	admin_basisdata	SP_171111023_171111008_1	PROCEDURE	budosen@%	2018-09-19 07:39:31	2018-09-19 07:39:31	DEFINER		utf8
2	admin_basisdata	SP_171111023_171111008_2	PROCEDURE	budosen@%	2018-09-19 07:49:09	2018-09-19 07:49:09	DEFINER		utf8
3	admin_basisdata	SP_171111023_171111008_3	PROCEDURE	budosen@%	2018-09-20 14:29:21	2018-09-20 14:29:21	DEFINER		utf8

Soal 4 : buat trigger untuk update data stok barang ketika detail pembelian dirubah

Query :

```
DELIMITER //
create trigger trigger_171111023_171111008 after
update on DETAIL_PEMBELIAN
FOR EACH ROW
BEGIN
IF old.JUMLAH_BARANG - new.JUMLAH_BARANG <=-1 THEN BEGIN
update BARANG set STOK = STOK + (old.JUMLAH_BARANG - new.JUMLAH_BARANG)
where BARANG.ID_BARANG4 = new.ID_BARANG4;
END; END IF;

IF old.JUMLAH_BARANG - new.JUMLAH_BARANG >=1 THEN BEGIN
update BARANG set STOK = STOK + (old.JUMLAH_BARANG - new.JUMLAH_BARANG )
where BARANG.ID_BARANG4 = new.ID_BARANG4;
END; END IF;

END
//
DELIMITER ;
```

Cek trigger status :

1 • Show triggers

#	Trigger	Event	Table	Statement
1	trigg...	UPDATE	DETAIL_PEMBELIAN	BEGIN  IF old.JUMLAH_BARANG - new.JUMLAH_BARANG <=-1 THEN BEGIN update BARANG set STOK = STOK + (old.JUMLAH_BARANG - new.JUMLAH_BARANG) where BARANG.ID_BARANG4 = new.ID_BARANG4; END; END IF;  IF old.JUMLAH_BARANG - new.JUMLAH_BARANG >=1 THEN BEGIN upd

Test Trigger :

1 update DETAIL\_PEMBELIAN set JUMLAH\_BARANG = 9 where ID\_DETL\_PEMB = 'DTLBL00001';  
2 select \* from BARANG

ID_BARANG4	ID_KATEGORI	NAMA	TIPE	HARGA_JUAL	HARGA_POKOK	STOK
BRG001	KTR001	Vantech	VAF1225	200000.00	190000.00	200
BRG002	KTR002	Nikon	D3100	1000000.00	1000000.00	200
BRG003	KTR002	Canon	P900	1000000.00	1000000.00	200
BRG004	KTR003	Kingston	16GB 3.1	100000.00	90000.00	200

1 update DETAIL\_PEMBELIAN set JUMLAH\_BARANG = 19 where ID\_DETL\_PEMB = 'DTLBL00001';  
2 select \* from BARANG

ID_BARANG4	ID_KATEGORI	NAMA	TIPE	HARGA_JUAL	HARGA_POKOK	STOK
BRG001	KTR001	Vantech	VAF1225	200000.00	190000.00	190
BRG002	KTR002	Nikon	D3100	1000000.00	1000000.00	200