

## Assignment 8

### Procedure

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1. Buatlah sebuah prosedur untuk menaikkan harga kategori produk tertentu dengan persentase tertentu. Buatlah tabel *product* dengan data yang sesuai untuk menguji prosedur yang telah dibuat. Atau, *load database classicmodels* pada *personal machine* sehingga dapat memiliki akses lengkap. DELIMITER harus diubah sebelum membuat prosedur.

delimiter //

```
create procedure NaikanHarga(
```

```
-> in p_productline varchar(255),
```

```
-> in p_diskon double
```

```
-> )
```

```
-> begin
```

```
-> update products
```

```
-> set msrp = msrp * (1 + p_diskon/100)
```

```
-> where productline = p_productline;
```

```
-> end //
```

delimiter ;

Contoh pemanggilan:

Pada awalnya harga produk dalam productline 'Planes':

```
mysql> select productcode, productname, productline, msrp from products
-> where productline = 'Planes';
```

productcode	productname	productline	msrp
S18_1662	1980s Black Hawk Helicopter	Planes	157.69
S18_2581	P-51-D Mustang	Planes	84.48
S24_1785	1928 British Royal Navy Airplane	Planes	109.42
S24_2841	1900s Vintage Bi-Plane	Planes	68.51
S24_3949	Corsair F4U ( Bird Cage)	Planes	68.24
S24_4278	1900s Vintage Tri-Plane	Planes	72.45
S700_1691	American Airlines: B767-300	Planes	91.34
S700_2466	America West Airlines B757-200	Planes	99.72
S700_2834	ATA: B757-300	Planes	118.65
S700_3167	F/A 18 Hornet 1/72	Planes	80.00
S700_4002	American Airlines: MD-11S	Planes	74.03
S72_1253	Boeing X-32A JSF	Planes	49.66

```
12 rows in set (0.00 sec)
```

Kemudian setelah dipanggil procedure NaikanHarga:

```
mysql> call NaikanHarga('Planes', 10);
Query OK, 12 rows affected, 11 warnings (0.01 sec)

mysql> select productcode, productname, productline, msrp from products
-> where productline = 'Planes';
+-----+-----+-----+-----+
| productcode | productname | productline | msrp |
+-----+-----+-----+-----+
| S18_1662 | 1980s Black Hawk Helicopter | Planes | 173.46 |
| S18_2581 | P-51-D Mustang | Planes | 92.93 |
| S24_1785 | 1928 British Royal Navy Airplane | Planes | 120.36 |
| S24_2841 | 1900s Vintage Bi-Plane | Planes | 75.36 |
| S24_3949 | Corsair F4U ( Bird Cage) | Planes | 75.06 |
| S24_4278 | 1900s Vintage Tri-Plane | Planes | 79.70 |
| S700_1691 | American Airlines: B767-300 | Planes | 100.47 |
| S700_2466 | America West Airlines B757-200 | Planes | 109.69 |
| S700_2834 | ATA: B757-300 | Planes | 130.52 |
| S700_3167 | F/A 18 Hornet 1/72 | Planes | 88.00 |
| S700_4002 | American Airlines: MD-11S | Planes | 81.43 |
| S72_1253 | Boeing X-32A JSF | Planes | 54.63 |
+-----+-----+-----+-----+
12 rows in set (0.00 sec)
```

2. Buatlah prosedur untuk melaporkan jumlah yang dipesan pada bulan dan tahun tertentu untuk customer yang memiliki string karakter tertentu pada nama mereka.

delimiter //

```
create procedure TampilJumlahWaktuString(
    -> in monthIN int(10),
    -> in yearIN int(4),
    -> in stringIN varchar(255)
-> )
-> begin
-> select sum(quantityordered) from orders o
-> join customers c on o.customerNumber = c.customerNumber
-> join orderdetails od on od.ordernumber = o.ordernumber
-> where month(orderdate)=monthIN and year(orderdate)=yearIN
-> and customername like concat('%',stringIN,'%')
-> group by customername;
-> end //
```

delimiter ;

Contoh pemanggilan:

```
mysql> call tampiljumlahwaktustring(2,2003,'A');
+-----+
| sum(quantityordered) |
+-----+
|          229         |
|          545         |
+-----+
2 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)
```

3. Buatlah prosedur untuk mengubah batas kredit seluruh *customer* di negara tertentu dengan persentase tertentu.

delimiter //

create procedure UbahBatasKredit(

-> in persentase double,

-> in negara varchar(50)

-> )

-> begin

-> update customers

-> set creditlimit=creditlimit\*(1+persentase/100)

-> where country=negara;

-> end //

delimiter ;

Contoh pemanggilan:

Pada awalnya batas kredit di negara 'UK':

```
mysql> select customernumber, customername, country, creditlimit from customers
-> where country = 'UK';
+-----+-----+-----+-----+
| customernumber | customername | country | creditlimit |
+-----+-----+-----+-----+
| 187 | AV Stores, Co. | UK | 136800.00 |
| 201 | UK Collectables, Ltd. | UK | 92700.00 |
| 240 | giftsbymail.co.uk | UK | 93900.00 |
| 324 | Stylish Desk Decors, Co. | UK | 77000.00 |
| 489 | Double Decker Gift Stores, Ltd | UK | 43300.00 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Kemudian setelah dipanggil procedure UbahBatasKredit:

```
mysql> call ubahbataskredit(40, 'UK');
Query OK, 5 rows affected, 2 warnings (0.01 sec)
```

3.

```
mysql> select customernumber, customername, country, creditlimit from customers
-> where country = 'UK';
```

customernumber	customername	country	creditlimit
187	AV Stores, Co.	UK	191520.00
201	UK Collectables, Ltd.	UK	129780.00
240	giftsbymail.co.uk	UK	131460.00
324	Stylish Desk Decors, Co.	UK	107800.00
489	Double Decker Gift Stores, Ltd	UK	60620.00

```
5 rows in set (0.00 sec)
```