

LAPORAN PRAKTIKUM BASIS DATA LANJUTAN
LATIHAN SOAL UAS

Dosen Pengampu : Bapak Annas Setiawan P.,S.Kom., M. Eng.



Disusun Oleh:

Indra Ajiyanto
230102083
TI 2D

PROGRAM STUDI TEKNIK INFORMATIKA JURUSAN
KOMPUTER DAN BISNIS POLITEKNIK NEGERI CILACAP
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Membuat database perusahaan :

```
mysql> create database perusahaan;  
Query OK, 1 row affected (0.01 sec)
```

Use Database Perusahaan :

```
mysql> use perusahaan  
Database changed
```

Membuat table customer :

```
mysql> create table customer (  
-> id_customer varchar(7) primary key not null,  
-> nama_customer varchar(30) not null,  
-> alamat_customer varchar(50),  
-> kota_customer varchar(15),  
-> telp_customer varchar(15)  
-> );  
Query OK, 0 rows affected (0.12 sec)
```

Membuat table barang :

```
mysql> create table barang (  
-> id_barang varchar(7) primary key not null,  
-> nama_barang varchar(50) not null,  
-> tahun_produksi year(4) not null,  
-> id_produksen varchar(7) not null,  
-> id_pemasok varchar(6) not null  
-> );  
Query OK, 0 rows affected, 1 warning (0.41 sec)
```

Membuat table detail_barang :

```
mysql> create table detail_barang (  
-> id_barang varchar(7) not null,  
-> kategori_barang varchar(25) not null,  
-> jumlah smallint(3) not null,  
-> harga_pembelian int not null  
-> );  
Query OK, 0 rows affected, 1 warning (0.02 sec)
```

Membuat table pemasok :

```
mysql> create table pemasok (  
-> id_pemasok varchar(6) primary key not null,  
-> nama_pemasok varchar(20) not null,  
-> alamat_pemasok varchar(50) not null,  
-> kota_pemasok varchar(15),  
-> email_pemasok varchar(50)  
-> );  
Query OK, 0 rows affected (0.01 sec)
```

Membuat table pembelian :

```
mysql> create table pembelian (  
-> id_pembelian varchar(6) primary key not null,  
-> tgl_pembelian date not null,  
-> id_customer varchar(7) not null  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

Membuat table detail_pembelian :

```
mysql> create table detail_pembelian (  
-> id_pembelian varchar(6) not null,
```

```
-> id_barang varchar(7) not null,  
-> status_pembelian varchar(10) not null  
-> );  
Query OK, 0 rows affected (0.01 sec)
```

Membuat table produsen :

```
mysql> create table produsen (  
-> id_produken varchar(7) primary key not null,  
-> nama_produken varchar(30) not null,  
-> alamat_produken varchar(50),  
-> kota_produken varchar(50),  
-> telepon_produken varchar(15),  
-> email_produken varchar(30)  
-> );  
Query OK, 0 rows affected (0.01 sec)
```

Menambahkan data ke table customer :

```
mysql> INSERT INTO customer VALUES ('A.1.001', 'Ronaldo', 'Jl. Kalimantan  
No.15', 'Yogyakarta', '543210'), ('A.1.002', 'Messi', 'Jl. Sulawesi  
No.25', 'Yogyakarta', '567890'), ('A.1.003', 'Bale', 'Jl. Arimbi No.18',  
'Semarang', '565755'), ('A.1.004', 'Mbappe', 'Jl. Kurawa No.19',  
'Surakarta', '435678'), ('A.1.005', 'Salah', 'Jl. Pandawa No.27',  
'Surakarta', '765747'), ('A.1.006', 'Kane', 'Jl. Drupadi No.07',  
'Semarang', '895647'), ('A.1.007', 'Modric', 'Jl. Sumatera No.12',  
'Yogyakarta', '768584');  
Query OK, 7 rows affected (0.04 sec)  
Records: 7 Duplicates: 0 Warnings: 0
```

Menambahkan data ke table barang :

```
mysql> INSERT INTO barang VALUES ('B.2.001', 'Kemeja', 2018, 'T.1.01',  
'P.002'), ('B.2.002', 'Gamis', 2018, 'T.1.02', 'P.001'), ('B.2.003',  
'Mukena', 2016, 'T.1.01', 'P.003'), ('B.2.004', 'Seragam Sekolah', 2017,  
'T.1.01', 'P.003'), ('B.2.005', 'Topi', 2017, 'T.1.02', 'P.004'),  
('B.2.006', 'Panci', 2017, 'T.1.03', 'P.002');  
Query OK, 6 rows affected (0.01 sec)  
Records: 6 Duplicates: 0 Warnings: 0
```

Menambahkan data ke table detail_barang :

```
mysql> INSERT INTO detail_barang VALUES ('B.2.001', 'Fashion Pria', 5,  
50000), ('B.2.002', 'Fashion Wanita', 4, 100000), ('B.2.003', 'Fashion  
Muslim', 5, 120000), ('B.2.004', 'Fashion Anak', 7, 80000), ('B.2.005',  
'Aksesoris', 5, 30000), ('B.2.006', 'Dapur', 5, 150000);  
Query OK, 6 rows affected (0.01 sec)  
Records: 6 Duplicates: 0 Warnings: 0
```

Menambahkan data ke table pemasok :

```
mysql> INSERT INTO pemasok VALUES ('P.001', 'CV Cahaya', 'Jl. Mangkubumi  
no.16', 'Yogyakarta', 'panglima@cahaya.com'), ('P.002', 'CV Matahari',  
'Jl. Diponegoro no.65', 'Semarang', 'kasal@matahari.com'), ('P.003', 'CV  
Bulan', 'Jl. Veteran no.85', 'Jakarta', 'letnan@bulan.com'), ('P.004',  
'CV Bintang', 'Jl. Soekarno no.35', 'Yogyakarta', 'kopral@bintang.com'),  
('P.005', 'CV Bumi', 'Jl. Supratman no.24', 'Semarang',  
'prajurit@bumi.com'), ('P.006', 'CV Laut', 'Jl. Radjiman no.14',  
'Bandung', 'jendral@laut.com');  
Query OK, 6 rows affected (0.01 sec)  
Records: 6 Duplicates: 0 Warnings: 0
```

Menambahkan data ke table pembelian :

```
mysql> INSERT INTO pembelian VALUES ('S.101', '2016-02-03', 'A.1.002'),
('S.102', '2016-02-03', 'A.1.004'), ('S.103', '2016-02-05', 'A.1.003'),
('S.104', '2016-02-06', 'A.1.005');
```

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

Menambahkan data ke table detail_pembelian :

```
mysql> INSERT INTO detail_pembelian VALUES ('S.101', 'B.2.001', 'tunai'),
('S.102', 'B.2.006', 'tunai'), ('S.102', 'B.2.002', 'tunai'), ('S.102',
'B.2.003', 'kredit'), ('S.103', 'B.2.004', 'kredit'), ('S.104',
'B.2.005', 'kredit');
```

Query OK, 6 rows affected (0.00 sec)

Records: 6 Duplicates: 0 Warnings: 0

Menambahkan data ke table produsen :

```
mysql> INSERT INTO produsen VALUES ('T.1.01', 'PT Perkasa', 'Jl. Bromo
no.10', 'Jakarta', '9354638', 'admin@perkasa.com'), ('T.1.02', 'PT Jaya',
'Jl. Merapi no.5', 'Bandung', '9508867', 'admin@jaya.com'), ('T.1.03',
'PT Makmur', 'Jl. Jaya Wijaya no.78', 'Jakarta', '58786676',
'kontak@makmur.com'), ('T.1.04', 'PT Mandiri', 'Jl. Sumbing no.3',
'Bekasi', '65876746', 'sales@mandiri.com'), ('T.1.05', 'PT Untung', 'Jl.
Merbabu no.24', 'Bekasi', '33765748', 'kontak@untung.com');
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

Struktur table customer :

```
mysql> desc customer;
```

Field	Type	Null	Key	Default	Extra
id_customer	varchar(7)	NO	PRI	NULL	
nama_customer	varchar(30)	NO		NULL	
alamat_customer	varchar(50)	YES		NULL	
kota_customer	varchar(15)	YES		NULL	
telp_customer	varchar(15)	YES		NULL	

5 rows in set (0.01 sec)

Struktur table barang :

```
mysql> desc barang;
```

Field	Type	Null	Key	Default	Extra
id_barang	varchar(7)	NO	PRI	NULL	
nama_barang	varchar(50)	NO		NULL	
tahun_produksi	year	NO		NULL	
id_produksen	varchar(7)	NO		NULL	
id_pemasok	varchar(6)	NO		NULL	

5 rows in set (0.00 sec)

Struktur table detail_barang :

```
mysql> desc detail_barang;
```

Field	Type	Null	Key	Default	Extra
id_barang	varchar(7)	NO		NULL	

kategori_barang	varchar(25)	NO		NULL	
jumlah	smallint	NO		NULL	
harga_pembelian	int	NO		NULL	

4 rows in set (0.00 sec)

Struktur table pemasok :

```
mysql> desc pemasok;
```

Field	Type	Null	Key	Default	Extra
id_pemasok	varchar(6)	NO	PRI	NULL	
nama_pemasok	varchar(20)	NO		NULL	
alamat_pemasok	varchar(50)	NO		NULL	
kota_pemasok	varchar(15)	YES		NULL	
email_pemasok	varchar(50)	YES		NULL	

5 rows in set (0.00 sec)

Struktur table pembelian :

```
mysql> desc pembelian;
```

Field	Type	Null	Key	Default	Extra
id_pembelian	varchar(6)	NO	PRI	NULL	
tgl_pembelian	date	NO		NULL	
id_customer	varchar(7)	NO		NULL	

3 rows in set (0.00 sec)

Struktur table detail_pembelian :

```
mysql> desc detail_pembelian;
```

Field	Type	Null	Key	Default	Extra
id_pembelian	varchar(6)	NO		NULL	
id_barang	varchar(7)	NO		NULL	
status_pembelian	varchar(10)	NO		NULL	

3 rows in set (0.00 sec)

Struktur table produsen :

```
mysql> desc produsen;
```

Field	Type	Null	Key	Default	Extra
id_produksen	varchar(7)	NO	PRI	NULL	
nama_produksen	varchar(30)	NO		NULL	
alamat_produksen	varchar(50)	YES		NULL	
kota_produksen	varchar(50)	YES		NULL	
telepon_produksen	varchar(15)	YES		NULL	
email_produksen	varchar(30)	YES		NULL	

6 rows in set (0.00 sec)

Menampilkan data di table customer :

```
mysql> select * from customer;
```

```

+-----+-----+-----+-----+-----+
-----+
| id_customer | nama_customer | alamat_customer | kota_customer |
telp_customer |
+-----+-----+-----+-----+-----+
-----+
| A.1.001     | Ronaldo      | Jl. Kalimantan No.15 | Yogyakarta    |
543210       |
| A.1.002     | Messi        | Jl. Sulawesi No.25  | Yogyakarta    |
567890       |
| A.1.003     | Bale         | Jl. Arimbi No.18    | Semarang      |
565755       |
| A.1.004     | Mbappe       | Jl. Kurawa No.19    | Surakarta     |
435678       |
| A.1.005     | Salah        | Jl. Pandawa No.27   | Surakarta     |
765747       |
| A.1.006     | Kane         | Jl. Drupadi No.07   | Semarang      |
895647       |
| A.1.007     | Modric       | Jl. Sumatera No.12  | Yogyakarta    |
768584       |
+-----+-----+-----+-----+-----+
-----+
7 rows in set (0.00 sec)

```

Menampilkan data di table barang :

```
mysql> select * from barang;
```

```

+-----+-----+-----+-----+-----+
--+
| id_barang | nama_barang | tahun_produksi | id_produksen | id_pemasok |
|
+-----+-----+-----+-----+-----+
--+
| B.2.001   | Kemeja      | 2018 | T.1.01 | P.002 |
|
| B.2.002   | Gamis       | 2018 | T.1.02 | P.001 |
|
| B.2.003   | Mukena      | 2016 | T.1.01 | P.003 |
|
| B.2.004   | Seragam Sekolah | 2017 | T.1.01 | P.003 |
|
| B.2.005   | Topi        | 2017 | T.1.02 | P.004 |
|
| B.2.006   | Panci       | 2017 | T.1.03 | P.002 |
|
+-----+-----+-----+-----+-----+
--+
6 rows in set (0.00 sec)

```

Menampilkan data di table detail_barang :

```
mysql> select * from detail_barang;
```

```

+-----+-----+-----+-----+-----+
| id_barang | kategori_barang | jumlah | harga_pembelian |
+-----+-----+-----+-----+-----+
| B.2.001   | Fashion Pria    | 5 | 50000 |
| B.2.002   | Fashion Wanita  | 4 | 100000 |
| B.2.003   | Fashion Muslim  | 5 | 120000 |
| B.2.004   | Fashion Anak    | 7 | 80000 |
| B.2.005   | Aksesoris       | 5 | 30000 |

```

B.2.006	Dapur	5	150000
---------	-------	---	--------

6 rows in set (0.00 sec)

Menampilkan data di table pemasok :

```
mysql> select * from pemasok;
```

id_pemasok	nama_pemasok	alamat_pemasok	kota_pemasok	email_pemasok
P.001	CV Cahaya	Jl. Mangkubumi no.16	Yogyakarta	panglima@cahaya.com
P.002	CV Matahari	Jl. Diponegoro no.65	Semarang	kasal@matahari.com
P.003	CV Bulan	Jl. Veteran no.85	Jakarta	letnan@bulan.com
P.004	CV Bintang	Jl. Soekarno no.35	Yogyakarta	kopral@bintang.com
P.005	CV Bumi	Jl. Supratman no.24	Semarang	prajurit@bumi.com
P.006	CV Laut	Jl. Radjiman no.14	Bandung	jendral@laut.com

6 rows in set (0.00 sec)

Menampilkan data di table pembelian :

```
mysql> select * from pembelian;
```

id_pembelian	tgl_pembelian	id_customer
S.101	2016-02-03	A.1.002
S.102	2016-02-03	A.1.004
S.103	2016-02-05	A.1.003
S.104	2016-02-06	A.1.005

4 rows in set (0.00 sec)

Menampilkan data di table detail_pembelian :

```
mysql> select * from detail_pembelian;
```

id_pembelian	id_barang	status_pembelian
S.101	B.2.001	tunai
S.102	B.2.006	tunai
S.102	B.2.002	tunai
S.102	B.2.003	kredit
S.103	B.2.004	kredit
S.104	B.2.005	kredit

6 rows in set (0.00 sec)

Menampilkan data di table produsen :

```
mysql> select * from produsen;
```

```

| id_produken | nama_produken | alamat_produken | kota_produken |
telepon_produken | email_produken |
+-----+-----+-----+-----+-----+
| T.1.01      | PT Perkasa    | Jl. Bromo no.10  | Jakarta      |
9354638      | admin@perkasa.com |
| T.1.02      | PT Jaya       | Jl. Merapi no.5   | Bandung      |
9508867      | admin@jaya.com   |
| T.1.03      | PT Makmur     | Jl. Jaya Wijaya no.78 | Jakarta      |
58786676     | kontak@makmur.com |
| T.1.04      | PT Mandiri    | Jl. Sumbing no.3  | Bekasi       |
65876746     | sales@mandiri.com |
| T.1.05      | PT Untung     | Jl. Merbabu no.24 | Bekasi       |
33765748     | kontak@untung.com |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

```

**1. Buatlah trigger untuk mengurangi stock saat terjadi pembelian.
Tampilkan !**

```

mysql> delimiter //
mysql> create trigger kurang_stok_setelah_pembelian
-> after insert on detail_pembelian
-> for each row
-> begin
-> update detail_barang
-> set jumlah = jumlah -1
-> where id_barang = new.id_barang;
-> end //
Query OK, 0 rows affected (0.10 sec)

```

```

mysql> delimiter ;
mysql> select * from detail_pembelian;
+-----+-----+-----+
| id_pembelian | id_barang | status_pembelian |
+-----+-----+-----+
| S.101        | B.2.001  | tunai            |
| S.102        | B.2.006  | tunai            |
| S.102        | B.2.002  | tunai            |
| S.102        | B.2.003  | kredit           |
| S.103        | B.2.004  | kredit           |
| S.104        | B.2.005  | kredit           |
+-----+-----+-----+
6 rows in set (0.02 sec)

```

```

mysql> select * from detail_barang;
+-----+-----+-----+-----+
| id_barang | kategori_barang | jumlah | harga_pembelian |
+-----+-----+-----+-----+
| B.2.001   | Fashion Pria    | 5      | 50000            |
| B.2.002   | Fashion Wanita  | 4      | 100000           |
| B.2.003   | Fashion Muslim  | 5      | 120000           |
| B.2.004   | Fashion Anak    | 7      | 80000            |
| B.2.005   | Aksesoris       | 5      | 30000            |
| B.2.006   | Dapur           | 5      | 150000           |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)

```



```
mysql> INSERT INTO pembelian (id_pembelian, tgl_pembelian, id_customer)
VALUES ('S.105', '2025-07-02', 'A.1.001');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from pembelian;
+-----+-----+-----+
| id_pembelian | tgl_pembelian | id_customer |
+-----+-----+-----+
| S.101        | 2016-02-03    | A.1.002     |
| S.102        | 2016-02-03    | A.1.004     |
| S.103        | 2016-02-05    | A.1.003     |
| S.104        | 2016-02-06    | A.1.005     |
| S.105        | 2025-07-02    | A.1.001     |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> INSERT INTO detail_pembelian (id_pembelian, id_barang,
status_pembelian) VALUES ('S.105', 'B.2.003', 'tunai');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from detail_barang;
+-----+-----+-----+-----+
| id_barang | kategori_barang | jumlah | harga_pembelian |
+-----+-----+-----+-----+
| B.2.001   | Fashion Pria    | 5      | 50000            |
| B.2.002   | Fashion Wanita  | 4      | 100000           |
| B.2.003   | Fashion Muslim  | 4      | 120000           |
| B.2.004   | Fashion Anak    | 7      | 80000            |
| B.2.005   | Aksesoris       | 5      | 30000            |
| B.2.006   | Dapur           | 5      | 150000           |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

2. Buatlah trigger untuk menambah stock saat terjadi penjualan Tampilkan!

```
mysql> select * from detail_barang;
+-----+-----+-----+-----+
| id_barang | kategori_barang | jumlah | harga_pembelian |
+-----+-----+-----+-----+
| B.2.001   | Fashion Pria    | 5      | 50000            |
| B.2.002   | Fashion Wanita  | 4      | 100000           |
| B.2.003   | Fashion Muslim  | 4      | 120000           |
| B.2.004   | Fashion Anak    | 7      | 80000            |
| B.2.005   | Aksesoris       | 5      | 30000            |
| B.2.006   | Dapur           | 5      | 150000           |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
mysql> create table penjualan(
-> id_penjualan varchar(6) primary key,
-> tgl_penjualan date not null,
-> id_customer varchar(7));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc penjualan;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_penjualan   | varchar(6)    | NO   | PRI | NULL    |       |
```

tgl_penjualan	date	NO		NULL	
id_customer	varchar(7)	YES		NULL	

3 rows in set (0.01 sec)

```
mysql> create table detail_penjualan (
  -> id_penjualan varchar(6),
  -> id_barang varchar(7),
  -> status_penjualan varchar(10) not null
  -> );
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc detail_penjualan;
```

Field	Type	Null	Key	Default	Extra
id_penjualan	varchar(6)	YES		NULL	
id_barang	varchar(7)	YES		NULL	
status_penjualan	varchar(10)	NO		NULL	

3 rows in set (0.00 sec)

```
mysql> delimiter //
mysql> create trigger tambah_stok_setelah_penjualan
  -> after insert on detail_penjualan
  -> for each row
  -> begin
  -> update detail_barang
  -> set jumlah = jumlah + 1
  -> where id_barang = new.id_barang;
  -> end//
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> insert into penjualan values ('J.101', '2025-07-02', 'A.1.006');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from penjualan;
```

id_penjualan	tgl_penjualan	id_customer
J.101	2025-07-02	A.1.006

1 row in set (0.00 sec)

```
mysql> insert into detail_penjualan values ('J.101', 'B.2.004', 'tunai');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from detail_barang;
```

id_barang	kategori_barang	jumlah	harga_pembelian
B.2.001	Fashion Pria	5	50000
B.2.002	Fashion Wanita	4	100000
B.2.003	Fashion Muslim	4	120000
B.2.004	Fashion Anak	8	80000
B.2.005	Aksesoris	5	30000
B.2.006	Dapur	5	150000

6 rows in set (0.00 sec)

3. Buatlah trigger untuk menjumlahkan harga barang saat terjadi pembelian. Tampilkan !

```
mysql> ALTER TABLE pembelian ADD total_harga INT DEFAULT 0;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> delimiter //
mysql> create trigger tambah_total_harga_setelah_pembelian
-> after insert on detail_pembelian
-> for each row
-> begin
-> declare harga int;
-> select harga_pembelian into harga
-> from detail_barang
-> where id_barang = new.id_barang;
-> update pembelian
-> set total_harga = total_harga + harga
-> where id_pembelian = new.id_pembelian;
-> end //
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> delimiter ;
mysql> INSERT INTO detail_pembelian (id_pembelian, id_barang,
status_pembelian) VALUES ('S.105', 'B.2.003', 'tunai');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from pembelian;
+-----+-----+-----+-----+
| id_pembelian | tgl_pembelian | id_customer | total_harga |
+-----+-----+-----+-----+
| S.101        | 2016-02-03    | A.1.002    | 0           |
| S.102        | 2016-02-03    | A.1.004    | 0           |
| S.103        | 2016-02-05    | A.1.003    | 0           |
| S.104        | 2016-02-06    | A.1.005    | 0           |
| S.105        | 2025-07-02    | A.1.001    | 120000      |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> INSERT INTO detail_pembelian (id_pembelian, id_barang,
status_pembelian) VALUES ('S.105', 'B.2.001', 'tunai');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from pembelian;
+-----+-----+-----+-----+
| id_pembelian | tgl_pembelian | id_customer | total_harga |
+-----+-----+-----+-----+
| S.101        | 2016-02-03    | A.1.002    | 0           |
| S.102        | 2016-02-03    | A.1.004    | 0           |
| S.103        | 2016-02-05    | A.1.003    | 0           |
| S.104        | 2016-02-06    | A.1.005    | 0           |
| S.105        | 2025-07-02    | A.1.001    | 170000      |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

4. Buatlah fungsi untuk menghitung jumlah barang yang diproduksi tahun 2017. Tampilkan !

```
mysql> delimiter //
mysql> create function jumlah_barang_2017()
  -> returns int
  -> deterministic
  -> begin
  -> declare total int;
  -> select count(*) into total
  -> from barang
  ->
  -> where tahun_produksi = 2017;
  -> return total;
  -> end //
```

Query OK, 0 rows affected (0.12 sec)

```
mysql> delimiter ;
mysql> select jumlah_barang_2017();
+-----+
| jumlah_barang_2017() |
+-----+
|                      3 |
+-----+
1 row in set (0.02 sec)
```

5. Buatlah fungsi untuk menghitung jumlah customer dari kota Yogyakarta. Tampilkan !

```
mysql> delimiter //
mysql> create function jumlah_customer_yogyakarta()
  -> returns int
  -> deterministic
  -> begin
  -> declare total int;
  -> select count(*) into total
  -> from customer
  -> where kota_customer = 'Yogyakarta';
  -> return total;
  -> end //
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> delimiter ;
mysql> select jumlah_customer_yogyakarta();
+-----+
| jumlah_customer_yogyakarta() |
+-----+
|                               3 |
+-----+
1 row in set (0.01 sec)
```

6. Buatlah prosedur untuk mengupdate stock / jumlah barang. Tampilkan !

```
mysql> delimiter //
mysql> create procedure update_jumlah_barang(in kode_barang varchar(10),
in nilai int)
  -> begin
  -> update detail_barang
  -> set jumlah = nilai
  -> where id_barang = kode_barang;
  -> end //
```

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> call update_jumlah_barang('B.2.006', 10);

Query OK, 1 row affected (0.02 sec)

mysql> select * from detail_barang;

id_barang	kategori_barang	jumlah	harga_pembelian
B.2.001	Fashion Pria	4	50000
B.2.002	Fashion Wanita	4	100000
B.2.003	Fashion Muslim	3	120000
B.2.004	Fashion Anak	8	80000
B.2.005	Aksesoris	5	30000
B.2.006	Dapur	10	150000

6 rows in set (0.00 sec)

7. Buatlah prosedur untuk menampilkan nama barang, katagori barang berdasarkan tahun produksi. Tampilkan !

mysql> delimiter //

mysql> create procedure tampil_barang_tahun(in tahun int)

-> begin

-> select b.nama_barang, db.kategori_barang

-> from barang b join detail_barang db

-> on b.id_barang = db.id_barang

-> where b.tahunproduksi = tahun;

-> end //

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> call tampil_barang_tahun(2017);

nama_barang	kategori_barang
Seragam Sekolah	Fashion Anak
Topi	Aksesoris
Panci	Dapur

3 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

8. Buatlah fungsi untuk menampilkan barang dan pajak pembelian untuk setiap barang. Pajak pembelian dihitung dengan Harga = Harga ? (Harga * 11%). Tampilkan!

mysql> delimiter //

mysql> create function harga_pajak_barang(harga int)

-> returns decimal(10,2)

-> deterministic

-> begin

-> return harga - (harga * 0.11);

-> end //

Query OK, 0 rows affected (0.05 sec)

mysql> delimiter ;

```
mysql> select b.nama_barang, harga_pajak_barang(db.harga_pembelian) from
barang b join detail_barang db on b.id_barang = db.id_barang;
+-----+-----+
| nama_barang | harga_pajak_barang(db.harga_pembelian) |
+-----+-----+
| Kemeja      | 44500 |
| Gamis       | 89000 |
| Mukena      | 106800 |
| Seragam Sekolah | 71200 |
| Topi        | 26700 |
| Panci       | 133500 |
+-----+-----+
6 rows in set (0.01 sec)
```

9. Buatlah fungsi untuk menampilkan barang jika stock kurang dari 2 maka akan tampil keterangan stock limit, jika lebih dari sama dengan dua maka akan tampil keterangan stock aman. Tampilkan!

```
mysql> delimiter //
mysql> create function keterangan_stock(jumlah int)
-> returns varchar(10)
-> deterministic
-> begin
-> if jumlah < 2 then
-> return 'stock limit';
-> elseif jumlah >= 2 then
-> return 'stock aman';
-> end if;
-> end //
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> delimiter ;
mysql> select b.nama_barang, db.jumlah, keterangan_stock(db.jumlah) from
barang b join detail_barang db on b.id_barang = db.id_barang;
+-----+-----+-----+
| nama_barang | jumlah | keterangan_stock(db.jumlah) |
+-----+-----+-----+
| Kemeja      | 4      | stock aman                  |
| Gamis       | 4      | stock aman                  |
| Mukena      | 3      | stock aman                  |
| Seragam Sekolah | 8      | stock aman                  |
| Topi        | 5      | stock aman                  |
| Panci       | 10     | stock aman                  |
+-----+-----+-----+
6 rows in set (0.01 sec)
```

10. Buatlah prosedur untuk menghitung luas lingkaran. Tampilkan!

```
mysql> delimiter //
mysql> create procedure luas_lingkaran(in r double)
-> begin
-> declare luas double;
-> set luas = 3.14 * r * r;
-> select luas;
-> end //
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> delimiter ;
mysql> call luas_lingkaran(10);
+-----+
```

```
| luas |
+-----+
| 314 |
+-----+
1 row in set (0.01 sec)
```

Query OK, 0 rows affected (0.01 sec)

11. Hapus Database lalu tampilkan !

```
mysql> show databases;
```

```
+-----+
| Database |
+-----+
| beasiswa |
| blabla   |
| cbt      |
| coba     |
| crud-user|
| db_rumahsakit_230102083 |
| information_schema |
| kuliah   |
| laravel  |
| latihan   |
| latihan_1_basis_data |
| mahasiswa |
| mysql    |
| pemira   |
| performance_schema |
| perpustakaan |
| perusahaan |
| rental_mobil_def |
| restoran |
| siregis  |
| sistem_aspirasi |
| sso      |
| sys      |
| temenan  |
| test     |
| toko-api |
| umkm     |
+-----+
27 rows in set (0.04 sec)
```

```
mysql> drop database perusahaan;
```

Query OK, 9 rows affected (0.08 sec)

```
mysql> show databases;
```

```
+-----+
| Database |
+-----+
| beasiswa |
| blabla   |
| cbt      |
| coba     |
| crud-user|
| db_rumahsakit_230102083 |
| information_schema |
| kuliah   |
+-----+
```

laravel	
latihan	
latihan_1_basis_data	
mahasiswa	
mysql	
pemira	
performance_schema	
perpustakaan	
rental_mobil_def	
restoran	
siregis	
sistem_aspirasi	
sso	
sys	
temenan	
test	
toko-api	
umkm	

+-----+

26 rows in set (0.00 sec)

mysql> exit