LAPORAN PRAKTIKUM MEMBUAT DESAIN BASIS DATA SEBAGAI MASTER

Mata Kuliah   : Basis Data
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JURUSAN TEKNIK
PROGRAM STUDI TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MADIUN
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1. Hapus # pada log-bin=mysql-bin

```
# Replication Master Server (default)
# binary logging is required for replication
# log-bin deactivated by default since XAMPP 1.4.11
log-bin=mysql-bin

# required unique id between 1 and 2^32 - 1
# defaults to 1 if master-host is not set
# but will not function as a master if omitted
server-id       =1

# Replication Slave (comment out master section to (
#
```

2. Membuat user, grant, dan show master status :

```
MariaDB [(none)]> create user 'UserRaka'@'%' identified by 'Rakaip23';
Query OK, 0 rows affected (0.037 sec)

MariaDB [(none)]> grant replication slave on *.* to 'replication'@'%';
ERROR 2006 (HY000): MySQL server has gone away
No connection. Trying to reconnect...
Connection id:    9
Current database: *** NONE ***

Query OK, 0 rows affected (0.019 sec)
```

```
MariaDB [db_coffeshop]> SHOW MASTER STATUS;
+-------------------+----------+--------------+------------------+
| File              | Position | Binlog_Do_DB | Binlog_Ignore_DB |
+-------------------+----------+--------------+------------------+
| mysql-bin.000005  |      342 |              |                  |
+-------------------+----------+--------------+------------------+
1 row in set (0.000 sec)
```

3. Buat database db_coffeshop

```
MariaDB [(none)]> create database db_coffeshop;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| db_coffeshop       |
| dbakademik         |
| dbzahrah           |
| information_schema |
| mysql              |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
8 rows in set (0.001 sec)
```

4. Create tabel kategori

```
MariaDB [db_coffeshop]> create table tbl_Kategori (
    -> Jenis_Menu varchar(20)
    -> );
Query OK, 0 rows affected (0.117 sec)
```

```
MariaDB [db_coffeshop]> select * from kategori;
+-------------+
| Jenis_Menu  |
+-------------+
| Camilan     |
| Makanan     |
| Minunan     |
+-------------+
3 rows in set (0.000 sec)

MariaDB [db_coffeshop]> _
```

5. Create tabel menu

```
MariaDB [db_coffeshop]> create table tbl_Menu (
    -> Kode_Menu int,
    -> Nama_Menu varchar(100),
    -> Harga_Menu int,
    -> primary key (Kode_Menu)
    -> );
Query OK, 0 rows affected (0.253 sec)
```

```
MariaDB [db_coffeshop]> select * from menu;
+-----------+---------------+------------+
| Kode_Menu | Nama_Menu     | Harga_Menu |
+-----------+---------------+------------+
|        11 | Mie Goreng    |      15000 |
|        12 | Chocolate Ice |      11000 |
|        13 | Cireng Isi    |      11000 |
+-----------+---------------+------------+
3 rows in set (0.000 sec)
```

6. Create tabel pengelompokkan

```
MariaDB [db_coffeshop]> create table tbl_pengelompokkan (
    -> Id_pengelompokkan int,
    -> Kode_Menu int,
    -> Jenis_Menu varchar(20),
    -> Nama_menu varchar(45),
    -> Harga_menu int,
    -> primary key (Id_pengelompokkan),
    -> foreign key (Jenis_Menu) references tbl_kategori (Jenis_Menu),
    -> foreign key (Kode_Menu) references tbl_menu (Kode_Menu)
    -> );
Query OK, 0 rows affected (0.194 sec)
```

```
MariaDB [db_coffeshop]> select * from pengelompokkan;
+-------------------+-----------+------------+---------------+------------+
| Id_pengelompokkan | Kode_Menu | Jenis_Menu | Nama_menu     | Harga_menu |
+-------------------+-----------+------------+---------------+------------+
|                 1 |        12 | Minunan    | Chocolate Ice |      11000 |
|                 2 |        13 | Camilan    | Cireng Isi    |      11000 |
|                 3 |        11 | Makanan    | Mie Goreng    |      15000 |
+-------------------+-----------+------------+---------------+------------+
3 rows in set (0.000 sec)
```

7. Create tabel pengguna

```
MariaDB [db_coffeshop]> create table tbl_pengguna (
    -> Id_pengguna int,
    -> Nama_pengguna varchar(45),
    -> Jabatan_pengguna varchar(100),
    -> Alamat_pengguna varchar(100),
    -> No_telp_pengguna int,
    -> primary key (Id_pengguna)
    -> );
Query OK, 0 rows affected (0.145 sec)
```

```
MariaDB [db_coffeshop]> select * from pengguna;
+-------------+-----------------+------------------+----------------------+------------------+
| Id_pengguna | Nama_pengguna   | Jabatan_pengguna | Alamat_pengguna      | No_telp_pengguna |
+-------------+-----------------+------------------+----------------------+------------------+
|     2433010 | Mutiara         | Kasir            | Desa Madigondo       |       2147483647 |
|     2433091 | Diva            | Kasir            | Jl.Margobawero no.23 |       2147483647 |
|     2433128 | Pandhu Sagalang | Supervisor       | Desa Tulung Kawedanan |      2147483647 |
+-------------+-----------------+------------------+----------------------+------------------+
3 rows in set (0.000 sec)
```

8. Create tabel transaksi

```
MariaDB [db_coffeshop]> create table tbl_transaksi (
    -> Kode_transaksi int,
    -> Tanggal_transaksi date,
    -> Nama_item varchar(100),
    -> Jumlah_item int,
    -> harga int,
    -> Nama_pelanggan varchar(45),
    -> Id_pengguna int,
    -> Kode_Menu int,
    -> primary key (Kode_transaksi),
    -> foreign key (Id_pengguna) references tbl_pengguna (Id_pengguna),
    -> foreign key (Kode_Menu) references tbl_menu (Kode_Menu)
    -> );
Query OK, 0 rows affected (0.199 sec)
```

```
MariaDB [db_coffeshop]> select * from transaksi;
+-------------------+-------------------+-----------+-------------+-----------------------+---------------+-------------+------------+
| Kode_transaksi    | Tanggal_transaksi | Kode_Menu | Id_pelanggan| Nama_pelanggan        | Nama_Menu     | Jumlah_item | Harga_Menu |
+-------------------+-------------------+-----------+-------------+-----------------------+---------------+-------------+------------+
| PPMD202409130044  | 2024-09-13        |        12 |     2433089 | Tio Fernando Tiras    | Chocolate Ice |           1 |      11000 |
| PPMD202409130054  | 2024-09-13        |        11 |     2433087 | Raka Imbang Prabaswara | Mie Goreng    |           1 |      15000 |
| PPMD202409130055  | 2024-09-13        |        13 |     2433088 | Nazwa Camila Cabello  | Cireng Isi    |           1 |      11000 |
+-------------------+-------------------+-----------+-------------+-----------------------+---------------+-------------+------------+
3 rows in set (0.000 sec)
```

9. Show Tables

```
MariaDB [db_coffeshop]> show tables;
+----------------------+
| Tables_in_db_coffeshop |
+----------------------+
| tbl_kategori         |
| tbl_menu             |
| tbl_pengelompokkan   |
| tbl_pengguna         |
| tbl_transaksi        |
+----------------------+
5 rows in set (0.000 sec)
```

10. Beri Akses kepada user 1 untuk Mengakses Databases beserta tabelnya

```
MariaDB [db_coffeshop]> GRANT ALL PRIVILEGES ON db_coffeshop.* TO 'UserRaka'@'%';
Query OK, 0 rows affected (0.025 sec)

MariaDB [db_coffeshop]> flush privileges;
Query OK, 0 rows affected (0.001 sec)
```