

KUIS 2 PRAKTIKUM BASIS DATA

STRUK PEMBAYARAN TAGIHAN LISTRIK

ID PELANGGAN	: 511810935121	BL/TH	: JAN2012
NAMA	: SLAMET WIBISONO	STAND METER	: 01514800-01521900
TARIF/DAYA	: R1/900	NON SUBSIDI	: Rp.0,00
RP. TAGIHAN	: Rp.50.485,00	RP. BK	: Rp.0,00
MKM REF	: 20120101155410000000000154904550		

PLN menyatakan struk ini sebagai bukti pembayaran yang sah, mohon disimpan

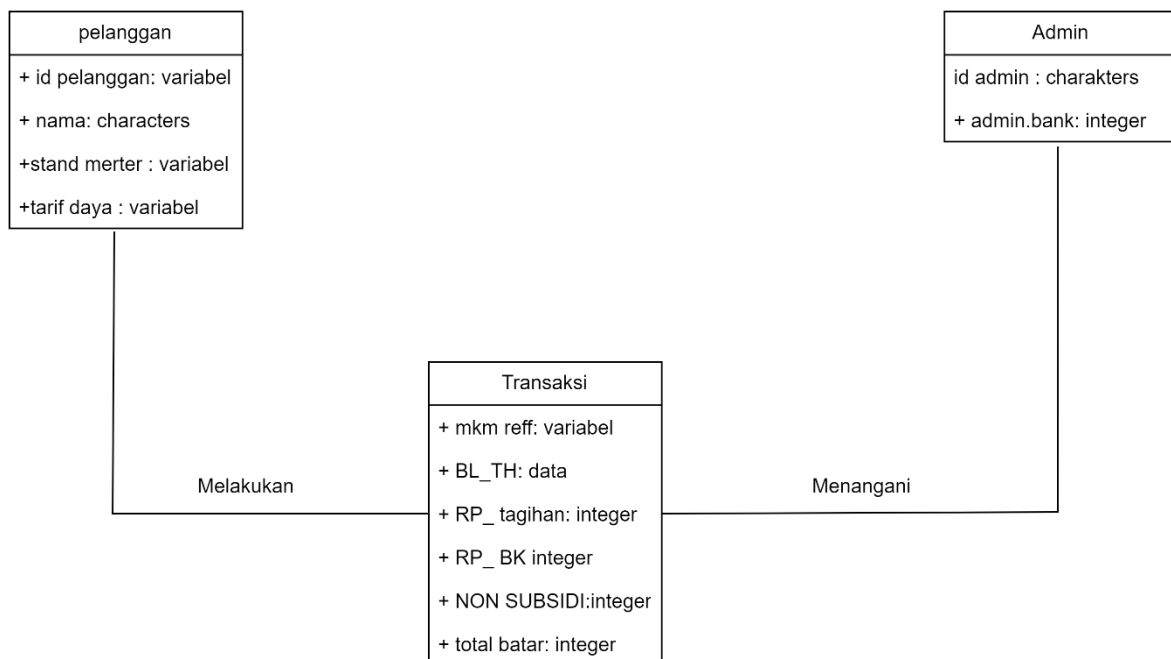
ADMIN BANK	: Rp.1.600,00
TOTAL BAYAR	: Rp.52.085,00

TERIMA KASIH
"Rincian tagihan dapat dilihat di www.pln.co.id atau PLN terdekat"
INFORMASI HUB : 123

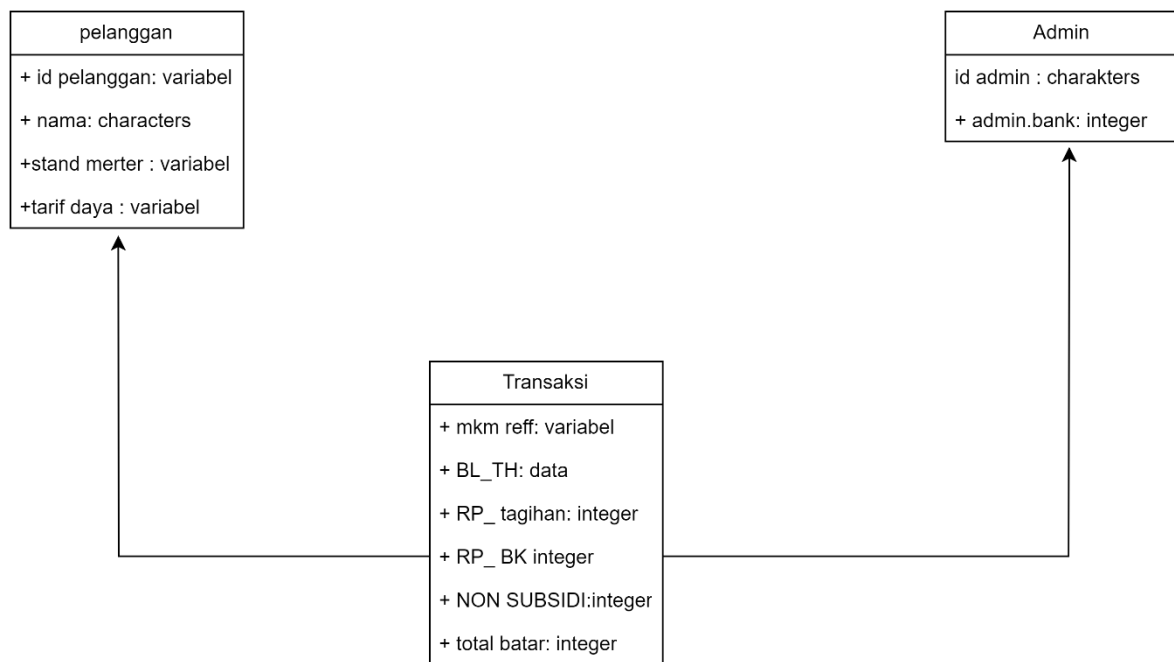
1. Buatlah struktur basis data berdasarkan struk pembayaran listrik diatas berupa CDM dan PDM!
2. Buat implementasi ke basis data tersebut ke dalam MySQL! Lampirkan script sql anda!
3. Buat query untuk menampilkan data seperti pada struk tersebut! Lampirkan query dan bukti hasil querynya!

JAWAB

1. CDM



PDM



2. - Membuat tabel "Pembayaran"

```

CREATE TABLE Pembayaran (
  ID_Pembayaran INT PRIMARY KEY,
  Tanggal DATE,
  Nama_Pelanggan
);
  
```

-- Membuat tabel "CDM"

```

CREATE TABLE CDM (
  ID_CDM INT PRIMARY KEY,
  ID_Pembayaran INT,
  Jumlah_Pembayaran DECIMAL(10, 2),
  FOREIGN KEY (ID_Pembayaran) REFERENCES Pembayaran(ID_Pembayaran)
);
  
```

-- Membuat tabel "PDM"

```

CREATE TABLE PDM (
  ID_PDM INT PRIMARY KEY,
  ID_Pembayaran INT,
  Jumlah_Pembayaran DECIMAL(10, 2),
  FOREIGN KEY (ID_Pembayaran) REFERENCES Pembayaran(ID_Pembayaran)
);
  
```

```

MariaDB [(none)]> USE Quiz;
Database changed
MariaDB [Quiz]> CREATE TABLE pelanggan(
  -> id_pelanggan INT(12) NOT NULL,
  -> nama_plg VARCHAR(100) DEFAULT NULL,
  -> tarif CHAR(10) DEFAULT NULL,
  -> daya VARCHAR(100) DEFAULT NULL,
  -> tagihan INT(100) DEFAULT NULL,
  -> mkm_ref INT(100) DEFAULT NULL
  -> );
Query OK, 0 rows affected (0.017 sec)

MariaDB [Quiz]> CREATE TABLE meter(
  -> stand_meter INT(100) NOT NULL,
  -> non_subsidisi FLOAT,
  -> rp_bk FLOAT,
  -> bulan INT(20) DEFAULT NULL
  -> );
Query OK, 0 rows affected (0.016 sec)

MariaDB [Quiz]> CREATE TABLE pembayaran(
  -> Admin_bank FLOAT,
  -> total_bayar FLOAT,
  -> tanggal INT(30) DEFAULT NULL
  -> );
Query OK, 0 rows affected (0.015 sec)

```

```

MariaDB [Quiz]> INSERT INTO pelanggan (id_pelanggan, nama_plg, tarif, daya, tagihan, mkm_ref)
  -> VALUES (511810935121, 'SLAMET WIBISONO', 'R1', '900', 'Rp 50485', '201928393883733651');
Query OK, 1 row affected, 3 warnings (0.005 sec)

MariaDB [Quiz]> INSERT INTO meter (stand_meter, non_subsidisi, rp_bk, bulan)
  -> VALUE (01514800-01521900, '0', '0', 'jan');
Query OK, 1 row affected, 1 warning (0.006 sec)

MariaDB [Quiz]> INSERT INTO pembayaran (Admin_bank, total_bayar, tanggal)
  -> VALUES (1600, '52085', '22');
Query OK, 1 row affected (0.005 sec)

```

3.

```

MariaDB [Quiz]> SELECT * FROM pelanggan;
+-----+-----+-----+-----+-----+-----+
| id_pelanggan | nama_plg      | tarif | daya | tagihan | mkm_ref |
+-----+-----+-----+-----+-----+-----+
| 2147483647   | SLAMET WIBISONO | R1    | 900  | 0       | 2147483647 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [Quiz]> SELECT * FROM meter;
+-----+-----+-----+-----+
| stand_meter | non_subsidisi | rp_bk | bulan |
+-----+-----+-----+-----+
| -7100      | 0             | 0     | 0     |
+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [Quiz]> SELECT * FROM pembayaran;
+-----+-----+-----+
| Admin_bank | total_bayar | tanggal |
+-----+-----+-----+
| 1600      | 52085      | 22      |
+-----+-----+-----+
1 row in set (0.001 sec)

```

```
MariaDB [Quiz]> SHOW TABLES;
```

```
+-----+  
| Tables_in_quiz |
```

```
+-----+
```

```
| meter |
```

```
| pelanggan |
```

```
| pembayaran |
```

```
+-----+
```

```
3 rows in set (0.001 sec)
```