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1. Activity

```
C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.11-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> use perbankan
```

```
MariaDB [perbankan]> INSERT INTO `nasabah` (`id_nasabah`, `nama_nasabah`, `alamat_nasabah`)
-> VALUES(1, 'Sutopo', 'Jl. Jendral Sudirman'),(2, 'Maryati', 'Jl.MT.Haryono 31'),(3, 'Suparman', 'Jl.Hasanudin 81'),(4, 'Kartika Padmasari', 'Jl.Manggis 15'),(5, 'Budi Eko Prayoga', 'Jl.Kantil 30'),(6, 'Satria Eka Jaya', 'Jl. Slamet Riyadi 45'),(7, 'Indri Hapsari', 'Jl. Sutoyo 5'),(8, 'Sari Murti', 'Jl. Pangandaran 11'),(9, 'Canka Lokonanta', 'Jl. Tidar 95'),(10, 'Budi Murtono', 'Jl. Merak 22');
Query OK, 10 rows affected (0.869 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> INSERT INTO `cabang_bank` (`kode_cabang`, `nama_cabang`, `alamat_cabang`)
-> VALUES('BRUB', 'Bank Rut Unit Boyolali', 'Jl. Ahmad Yani 45'),('BRUK', 'Bank Rut Unit Klate', 'Jl. Suparman 23'),('BRUM', 'Bank Rut Unit Magelang', 'Jl. P. Tendean 63'),('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18'),('BRUW', 'Bank Rut Unit Wonogiri', 'Jl. Untung Suropati 12'),('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl. Anggrek 21');
Query OK, 6 rows affected (0.229 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

```
MariaDB [perbankan]> INSERT INTO `rekening` (`no_rekening`, `kode_cabangFK`, `pin`, `saldo`)
-> VALUES(101, 'BRUS', '1111', 500000),(102, 'BRUS', '2222', 350000),(103, 'BRUS', '3333', 7500000),(104, 'BRUM', '4444', 900000),(105, 'BRUM', '5555', 200000),(106, 'BRUS', '6666', 3000000),(107, 'BRUS', '7777', 1000000),(108, 'BRUB', '0000', 5000000),(109, 'BRUB', '9999', 0),(110, 'BRUY', '1234', 550000),(111, 'BRUK', '4321', 150000),(112, 'BRUK', '0123', 300000),(113, 'BRUY', '8888', 255000);
Query OK, 13 rows affected (0.088 sec)
Records: 13  Duplicates: 0  Warnings: 0
```

```

MariaDB [perbankan]> INSERT INTO `transaksi` (`no_transaksi`, `id_nasabahFK`, `no_rekeningFK`, `jenis_transaksi`, `tanggal`, `jumlah`)
-> VALUES(1, 105, 3, 'debit', '2020-03-29 20:51:26', 500000), (2, 103, 2, 'debit', '2020-03-29 20:51:26', 400000), (3, 101, 4, 'kredit', '2020-03-29 20:51:26', 200000), (4, 106, 3, 'debit', '2020-03-29 20:51:26', 500000), (5, 107, 5, 'kredit', '2020-03-29 20:51:26', 300000), (6, 104, 1, 'kredit', '2020-03-29 20:51:26', 200000), (7, 110, 9, 'kredit', '2020-03-29 20:51:26', 1500000), (8, 102, 5, 'debit', '2020-03-29 20:51:26', 200000), (9, 105, 3, 'kredit', '2020-03-29 20:51:26', 500000), (10, 107, 4, 'debit', '2020-03-29 20:51:26', 1000000), (11, 103, 2, 'debit', '2020-03-29 20:51:26', 1000000), (12, 104, 1, 'debit', '2020-03-29 20:51:26', 500000), (13, 107, 4, 'kredit', '2020-03-29 20:51:26', 2000000), (14, 105, 3, 'debit', '2020-03-29 20:51:26', 400000), (15, 104, 1, 'debit', '2020-03-29 20:51:26', 1000000), (16, 101, 4, 'kredit', '2020-03-29 20:51:26', 200000), (17, 103, 2, 'debit', '2020-03-29 20:51:26', 500000), (18, 102, 5, 'debit', '2020-03-29 20:51:26', 500000), (19, 108, 10, 'debit', '2020-03-29 20:51:26', 1000000), (20, 106, 3, 'kredit', '2020-03-29 20:51:26', 500000), (21, 103, 2, 'kredit', '2020-03-29 20:51:26', 2000000), (22, 105, 3, 'kredit', '2020-03-29 20:51:26', 1000000), (23, 102, 5, 'debit', '2020-03-29 20:51:26', 200000), (24, 104, 1, 'debit', '2020-03-29 20:51:26', 500000), (25, 103, 2, 'debit', '2020-03-29 20:51:26', 400000), (26, 101, 4, 'debit', '2020-03-29 20:51:26', 500000), (27, 103, 2, 'kredit', '2020-03-29 20:51:26', 1000000), (28, 102, 5, 'kredit', '2020-03-29 20:51:26', 2000000), (29, 109, 7, 'debit', '2020-03-29 20:51:26', 1000000), (30, 110, 9, 'debit', '2020-03-29 20:51:26', 200000);
Query OK, 30 rows affected (0.202 sec)
Records: 30 Duplicates: 0 Warnings: 0

```

6. Update

```

MariaDB [perbankan]> update nasabah
-> set alamat_nasabah = 'jl. slamet riyadi no34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.101 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> update cabang_bank
-> set alamat_cabang = 'jl. A.Yani no23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.143 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```

7.Delete

```

MariaDB [perbankan]> delete from nasabah
-> where id_nasabah = '7';
Query OK, 1 row affected (0.082 sec)

MariaDB [perbankan]> delete from cabang_bank
-> where nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.059 sec)

```

2. Assignment

```
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
-> VALUES
-> (31, 120, 14, 'debit', '2020-03-30 12:28:41', 1200000),
-> (32, 102, 10, 'debit', '2020-03-30 12:28:41', 120000),
-> (33, 120, 17, 'kredit', '2020-03-30 12:28:41', 205000),
-> (34, 120, 18, 'debit', '2020-03-30 12:28:41', 700000),
-> (35, 110, 18, 'kredit', '2020-03-30 12:28:41', 1600000),
-> (36, 103, 10, 'kredit', '2020-03-30 12:28:41', 500000),
-> (37, 104, 12, 'debit', '2020-03-30 12:28:41', 1500000),
-> (38, 102, 10, 'kredit', '2020-03-30 12:28:41', 50000),
-> (39, 120, 19, 'debit', '2020-03-30 12:28:41', 1200000),
-> (40, 100, 10, 'kredit', '2020-03-30 12:28:41', 1030000),
-> (41, 103, 10, 'debit', '2020-03-30 12:28:41', 1200000);
Query OK, 11 rows affected (0.055 sec)
Records: 11 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> INSERT INTO transaksi (no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah)
-> VALUES
-> (1, 105, 3, 'debit', '2020-03-29 20:51:26', 50000),
-> (2, 103, 2, 'debit', '2020-03-29 20:51:26', 40000),
-> (3, 101, 4, 'kredit', '2020-03-29 20:51:26', 20000),
-> (4, 106, 3, 'debit', '2020-03-29 20:51:26', 50000),
-> (5, 107, 5, 'kredit', '2020-03-29 20:51:26', 30000),
-> (6, 104, 1, 'kredit', '2020-03-29 20:51:26', 200000),
-> (7, 110, 9, 'kredit', '2020-03-29 20:51:26', 150000),
-> (8, 102, 5, 'debit', '2020-03-29 20:51:26', 20000),
-> (9, 105, 3, 'kredit', '2020-03-29 20:51:26', 50000),
-> (10, 107, 4, 'debit', '2020-03-29 20:51:26', 100000),
-> (11, 103, 2, 'debit', '2020-03-29 20:51:26', 100000),
-> (12, 104, 1, 'debit', '2020-03-29 20:51:26', 50000),
-> (13, 107, 4, 'kredit', '2020-03-29 20:51:26', 200000),
-> (14, 105, 3, 'debit', '2020-03-29 20:51:26', 40000),
-> (15, 104, 1, 'debit', '2020-03-29 20:51:26', 100000),
-> (16, 101, 4, 'kredit', '2020-03-29 20:51:26', 20000),
-> (17, 103, 2, 'debit', '2020-03-29 20:51:26', 50000),
-> (18, 102, 5, 'debit', '2020-03-29 20:51:26', 50000),
-> (19, 108, 10, 'debit', '2020-03-29 20:51:26', 100000),
-> (20, 106, 3, 'kredit', '2020-03-29 20:51:26', 50000),
-> (21, 103, 2, 'kredit', '2020-03-29 20:51:26', 200000),
-> (22, 105, 3, 'kredit', '2020-03-29 20:51:26', 100000),
-> (23, 102, 5, 'debit', '2020-03-29 20:51:26', 20000),
-> (24, 104, 1, 'debit', '2020-03-29 20:51:26', 50000),
-> (25, 103, 2, 'debit', '2020-03-29 20:51:26', 40000),
-> (26, 101, 4, 'debit', '2020-03-29 20:51:26', 50000),
-> (27, 103, 2, 'kredit', '2020-03-29 20:51:26', 100000),
-> (28, 102, 5, 'kredit', '2020-03-29 20:51:26', 200000),
-> (29, 109, 7, 'debit', '2020-03-29 20:51:26', 100000),
-> (30, 110, 9, 'debit', '2020-03-29 20:51:26', 20000);
```