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TUGAS MODUL 10

1.

```
MariaDB [perbankan]> select max(transaksi.jumlah) from (select jumlah from transaksi) transaksi;
+-----+
| max(transaksi.jumlah) |
+-----+
|          13200000 |
+-----+
1 row in set (0.04 sec)
```

2.

```
MariaDB [perbankan]> select min(transaksi.jumlah) from (select jumlah from transaksi) transaksi;
+-----+
| min(transaksi.jumlah) |
+-----+
|          20000 |
+-----+
1 row in set (0.00 sec)
```

3.

```
MariaDB [perbankan]> select nasabah.id_nasabah,nasabah.nama_nasabah,transaksi.jumlah from transaksi JOIN nasabah on nasabah.id_nasabah=transaksi.id_nasabahFK where transaksi.jumlah IN (select max(jumlah) from transaksi);
+-----+-----+-----+
| id_nasabah | nama_nasabah | jumlah |
+-----+-----+-----+
|          16 | Ayu          | 13200000 |
+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [perbankan]>
```

4.

```
MariaDB [perbankan]> select * from cabang_bank where cabang_bank.kode_cabang NOT IN (select rekening.kode_cabangFK from rekening);
+-----+-----+-----+
| kode_cabang | nama_cabang      | alamat_cabang |
+-----+-----+-----+
| BRUD        | Bank Rut Unit Demak | Jl. Wali 44    |
| BRUSU       | Bank Rut Unit Subang | Jl. Cicaheum 10 |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

5.

```
MariaDB [perbankan]> select no_rekening, saldo from rekening where saldo > (select AVG(saldo) from rekening);
+-----+-----+
| no_rekening | saldo |
+-----+-----+
|          103 | 750000 |
|          104 | 900000 |
|          105 | 2000000 |
|          106 | 3000000 |
|          107 | 1000000 |
|          108 | 5000000 |
+-----+-----+
6 rows in set (0.00 sec)
```

6.

- TAMPILKAN SALDO TERBESAR

```
MariaDB [perbankan]> select max(rekening.saldo) from (select saldo from rekening) rekening;
+-----+
| max(rekening.saldo) |
+-----+
|          5000000 |
+-----+
1 row in set (0.00 sec)
```

- TAMPILKAN SALDO TERKECIL

```
MariaDB [perbankan]> select min(rekening.saldo) from (select saldo from rekening) rekening;
+-----+
| min(rekening.saldo) |
+-----+
| 0 |
+-----+
1 row in set (0.00 sec)
```

- TAMPILKAN NAMA NASABAH YANG MELAKUKAN TRANSAKSI DEBIT

```
MariaDB [perbankan]> select nasabah.nama_nasabah from nasabah where nasabah.id_nasabah IN (select transaksi.id_nasabahFK
from transaksi where jenis_transaksi='debit');
+-----+
| nama_nasabah |
+-----+
| Sutopo |
| Maryati |
| Suparman |
| Kartika Padmasari |
| Budi Eko Prayogo |
| Canka Lokananta |
| Budi Murtono |
| Amin |
| Amir |
| Apip |
| Ajeng |
| Ayu |
| Aisyah |
| Amar |
+-----+
14 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> select * from nasabah where nasabah.id_nasabah IN (select transaksi.id_nasabahFK from transaksi whe
re tanggal='2009-11-10');
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

- TAMPILKAN DATA NASABAH YANG BERTRANSAKSI PADA TANGGAL 10 NOVEMBER 2009
- TAMPILKAN NO REKENING YANG TERDAFTAR DI CABANG “BRUS”

```
MariaDB [perbankan]> select no_rekening from rekening where kode_cabangFK IN (select kode_cabangFK from rekening where k
ode_cabangFK='BRUS');
+-----+
| no_rekening |
+-----+
| 101 |
| 102 |
| 103 |
| 106 |
| 107 |
+-----+
5 rows in set (0.00 sec)
```

7.

- DAFTAR MAHASISWA YANG TIDAK MENGAMBIL MATAKULIAH DENGAN ID_MATKUL=2

```
MariaDB [perkuliahan]> select * from mahasiswa where mahasiswa.nim NOT IN (select distinct nimFK from mahasiswa_has_matk
ul where id_matkulFK='2');
+-----+-----+-----+
| nim | nipFK | nama_mahasiswa | alamat_mahasiswa |
+-----+-----+-----+
| 22 | 1 | Karin | Uranus |
| 33 | 2 | Yogik | Neptunus |
| 44 | 3 | Bambank | Ceres |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

- **DAFTAR MAHASISWA YANG MENGAMBIL SEMUA MATA KULIAH YANG DIAMPU OLEH SALAH SATU DOSEN**

```
MariaDB [perkuliahan]> select mahasiswa.nim, mahasiswa.nama_mahasiswa from mahasiswa, mahasiswa_has_matkul, matkul where
mahasiswa.nim=mahasiswa_has_matkul.nimFK AND matkul.id_matkul=mahasiswa_has_matkul.id_matkulFK and matkul.nipFK = (select nip from dosen where nip=3);
+-----+-----+
| nim | nama_mahasiswa |
+-----+-----+
| 22 | Karin          |
| 33 | Yogik          |
+-----+-----+
2 rows in set (0.11 sec)
```

- **MEMINDAHKAN MATKUL YANG DIAMBIL MAHASISWA KE MATKUL LAIN**

```
MariaDB [perkuliahan]> update mahasiswa_has_matkul set id_matkulFK=3 where id_matkulFK = (select id_matkul from matkul where id_matkul=2);
Query OK, 1 row affected (0.44 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perkuliahan]> select * from mahasiswa_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| 11    | 1           |
| 11    | 3           |
| 22    | 3           |
| 33    | 1           |
| 33    | 3           |
+-----+-----+
5 rows in set (0.00 sec)
```

- **UPDATE SALAH SATU MATKUL YANG DIGANTIKAN OLEH DOSEN YANG LAIN**

```
MariaDB [perkuliahan]> update matkul set nipFK=1,dosen_pengampu="Budi" where nipFK=(select nip from dosen where nip=2);
Query OK, 1 row affected (0.73 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perkuliahan]> select * from matkul;
+-----+-----+-----+-----+
| nama_matkul | nipFK | id_matkul | dosen_pengampu |
+-----+-----+-----+-----+
| Sejarah    | 1     | 1         | Budi            |
| Matematika | 1     | 2         | Budi            |
| Bhs. Indo  | 3     | 3         | Bayu            |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

- **UPDATE MATAKULIAH MAHASISWA KE MATAKULIAH YANG LAIN**

```
MariaDB [perkuliahan]> update mahasiswa_has_matkul set id_matkulFK=2 where id_matkulFK = (select id_matkul from matkul where id_matkul=1);
Query OK, 2 rows affected (0.16 sec)
Rows matched: 2 Changed: 2 Warnings: 0

MariaDB [perkuliahan]> select * from mahasiswa_has_matkul;
+-----+-----+
| nimFK | id_matkulFK |
+-----+-----+
| 11    | 2           |
| 11    | 3           |
| 22    | 3           |
| 33    | 2           |
| 33    | 3           |
+-----+-----+
5 rows in set (0.00 sec)
```