

Tugas 2

TABEL MAHASISWA

NPM	NAMA	ALAMAT
2010500225	Quraish	Bogor
2010500239	Prananingrum	Bogor
2011500331	Pipit	Bekasi
2011500193	Nurhayati	Jakarta
2009500579	Budi	Depok
2009500690	Lilik	Jakarta
2009500667	Pratiwi	Jakarta

TABEL TRANSAKSI

KODE	JENIS	HARGA	JUMLAH
01		35000	5
03		25000	2
02		20000	2
03		27500	3

PERINTAH:

1. Tampilkan seluruh data Mahasiswa yang namanya mengandung huruf "i"!

```
MariaDB [tugas2]> select * from Mahasiswa where Nama LIKE 'i'
+-----+-----+-----+
| NPM      | Nama      | Alamat |
+-----+-----+-----+
| 2009500579 | Budi      | Depok  |
| 2009500667 | Pratiwi   | Jakarta|
| 2009500690 | Lilik     | Jakarta|
| 2010500225 | Quraish   | Bogor  |
| 2010500239 | Prananingrum | Bogor  |
| 2011500193 | Nurhayati | Jakarta|
| 2011500331 | Pipit     | Bekasi |
+-----+-----+-----+
7 rows in set (0.002 sec)
```

2. Tampilkan Nama, Alamat yang beralamat di Jakarta!

```
MariaDB [tugas2]> select Nama, Alamat from Mahasiswa where
+-----+-----+
| Nama      | Alamat    |
+-----+-----+
| Pratiwi    | Jakarta   |
| Lilik      | Jakarta   |
| Nurhayati  | Jakarta   |
+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

3. Tampilkan seluruh data yang alamatnya di Bogor dan Bekasi!

```
MariaDB [tugas2]> select * from Mahasiswa where Alamat='Bog
+-----+-----+-----+
| NPM        | Nama      | Alamat  |
+-----+-----+-----+
| 2010500225 | Quraish   | Bogor   |
| 2010500239 | Prananingrum | Bogor   |
| 2011500331 | Pipit     | Bekasi  |
+-----+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

4. Tampilkan seluruh data yang namanya hanya terdiri dari 4 karakter!

```
MariaDB [tugas2]> select * from Mahasiswa where Nama LIKE '
____';
+-----+-----+-----+
| NPM        | Nama      | Alamat  |
+-----+-----+-----+
| 2009500579 | Budi      | Depok   |
+-----+-----+-----+
1 row in set (0.002 sec)

MariaDB [tugas2]> █
```

5. Tampilkan NPM dan Nama yang namanya berawalan dari huruf "P"!

```
MariaDB [tugas2]> select NPM, Nama from Mahasiswa where Nam
+-----+-----+
| NPM        | Nama      |
+-----+-----+
| 2009500667 | Pratiwi   |
| 2010500239 | Prananingrum |
| 2011500331 | Pipit     |
+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

6. Tampilkan seluruh data mahasiswa yang namanya diurut dari A ke Z!

```
MariaDB [tugas2]> select * from Mahasiswa ORDER BY Nama ASC
;
+-----+-----+-----+
| NPM    | Nama    | Alamat |
+-----+-----+-----+
| 2009500579 | Budi    | Depok  |
| 2009500690 | Lilik    | Jakarta |
| 2011500193 | Nurhayati | Jakarta |
| 2011500331 | Pipit    | Bekasi  |
| 2010500239 | Prananingrum | Bogor  |
| 2009500667 | Pratiwi  | Jakarta |
| 2010500225 | Quraish  | Bogor  |
+-----+-----+-----+
7 rows in set (0.027 sec)

MariaDB [tugas2]> █
```

7. Tampilkan seluruh data yang namanya tidak mengandung huruf "U"!

```
MariaDB [tugas2]> select * from Mahasiswa where Nama NOT LI
+-----+-----+-----+
| NPM    | Nama    | Alamat |
+-----+-----+-----+
| 2009500667 | Pratiwi  | Jakarta |
| 2009500690 | Lilik    | Jakarta |
| 2011500331 | Pipit    | Bekasi  |
+-----+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

8. Input nilai untuk field Jenis = "Elektronik" untuk kode 01!

```
MariaDB [tugas2]> update Transaksi set jenis='Elektronik' w
Query OK, 1 row affected (0.018 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [tugas2]> select * from Transaksi;
+-----+-----+-----+-----+
| Kode | Jenis    | Harga | Jumlah |
+-----+-----+-----+-----+
| 01   | Elektronik | 35000 | 5       |
| 03   | NULL      | 25000 | 2       |
| 02   | NULL      | 20000 | 2       |
| 03   | NULL      | 27500 | 3       |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [tugas2]> █
```

9. Input nilai untuk field Jenis = "Komputer" untuk kode 02!

```
MariaDB [tugas2]> update Transaksi set jenis='Komputer' whe
Query OK, 1 row affected (0.017 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

10. Input nilai untuk field Jenis = "Game Station" untuk kode 03!

```
MariaDB [tugas2]> update Transaksi set jenis='Game Station'
where Kode='03';
Query OK, 2 rows affected (0.023 sec)
Rows matched: 2  Changed: 2  Warnings: 0

MariaDB [tugas2]> select * from Transaksi;
+-----+-----+-----+-----+
| Kode | Jenis          | Harga | Jumlah |
+-----+-----+-----+-----+
| 01   | Elektronik     | 35000 | 5       |
| 03   | Game Station   | 25000 | 2       |
| 02   | Komputer       | 20000 | 2       |
| 03   | Game Station   | 27500 | 3       |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [tugas2]> █
```

11. Tampilkan seluruh data pada tabel transaksi yang harganya antara Rp25000 s.d. Rp35000

```
MariaDB [tugas2]> select * from Transaksi where Harga>=2500
+-----+-----+-----+-----+
| Kode | Jenis          | Harga | Jumlah |
+-----+-----+-----+-----+
| 01   | Elektronik     | 35000 | 5       |
| 03   | Game Station   | 25000 | 2       |
| 03   | Game Station   | 27500 | 3       |
+-----+-----+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

12. Tampilkan seluruh data yang harganya bukan Rp20000!

```
MariaDB [tugas2]> select * from Transaksi where Harga<>2000
+-----+-----+-----+-----+
| Kode | Jenis          | Harga | Jumlah |
+-----+-----+-----+-----+
| 01   | Elektronik     | 35000 | 5       |
| 03   | Game Station   | 25000 | 2       |
| 03   | Game Station   | 27500 | 3       |
+-----+-----+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas2]> █
```

13. Tampilkan Total Harga pada tabel transaksi!

```
MariaDB [tugas2]> SELECT SUM(Harga)Total_Harga FROM Transak
si;
+-----+
| Total_Harga |
+-----+
| 107500      |
+-----+
1 row in set (0.001 sec)

MariaDB [tugas2]> █
```

14. Tampilkan Total Jumlah pada tabel transaksi!

```
MariaDB [tugas2]> SELECT COUNT(*)Jumlah FROM Transaksi;
+-----+
| Jumlah |
+-----+
|      4 |
+-----+
1 row in set (0.002 sec)

MariaDB [tugas2]> █
```

15. Tampilkan Rata-rata harga pada tabel transaksi!

```
MariaDB [tugas2]> SELECT AVG(Harga)RataRata_Harga FROM Tran
saksi;
+-----+
| RataRata_Harga |
+-----+
| 26875.0000 |
+-----+
1 row in set (0.001 sec)

MariaDB [tugas2]> █
```