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Kelas: C

MODUL KE 5

TUGAS

Memasukan beberapa record ke setiap table dalam database perbankan yang telah dibuat sebelumnya. Menambahkan 10 record untuk table master dan 20 record untuk table transaksi.

Menjalankan XAMPP lalu memulai Apache dan MySQL



Membuka Comand Prompt XAMPP lalu masuk sebagai root ke MySQL

```
XAMPP for Windows - mysql -u root -p

user@LAPTOP-NLTUOC8T C:\xampp\mysql\bin

# mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

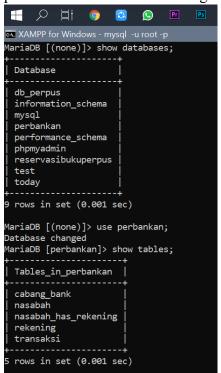
Your MariaDB connection id is 12

Server version: 10.4.11-MariaDB mariadb.org binary distribution

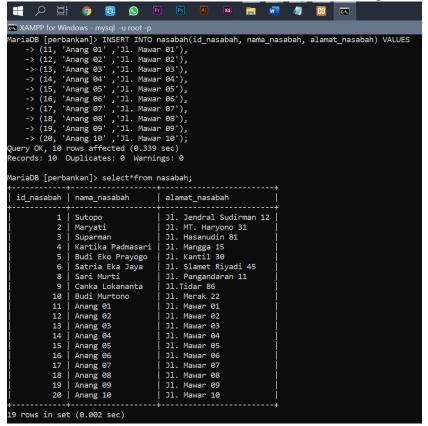
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

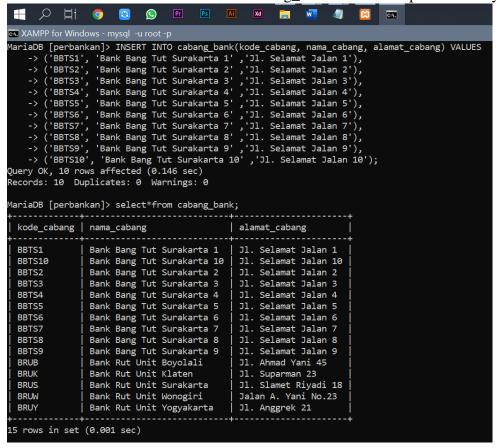
Memilih database perbankan dengan perintah "use perbankan". Sehingga akan muncul pemberitahuan "database changed"



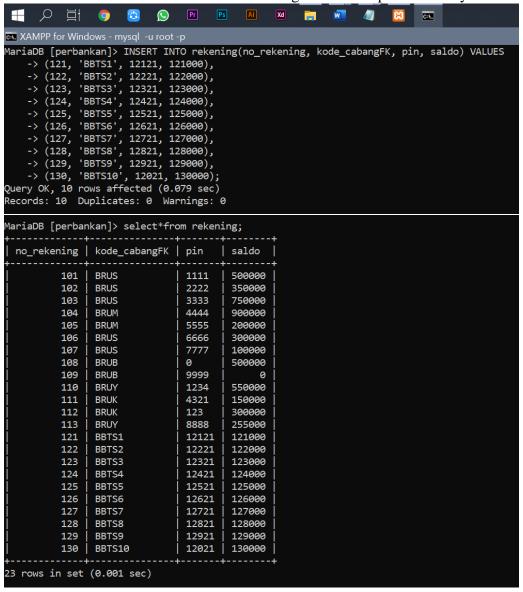
Menambahkan 10 record untuk table nasabah dan menampilkan hasilnya



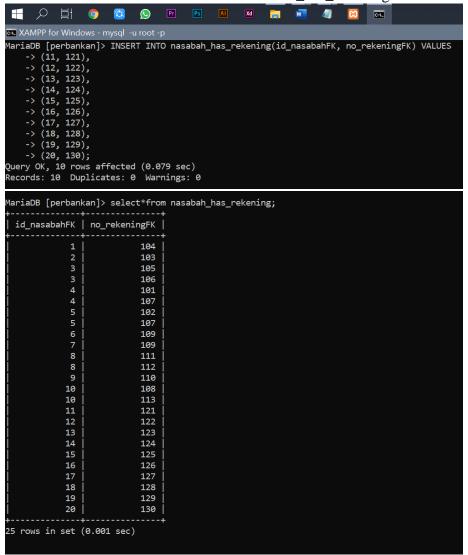
Menambahkan 10 record untuk table cabang_bank dan menampilkan hasilnya



Menambahkan 10 record untuk table rekening dan menampilkan hasilnya



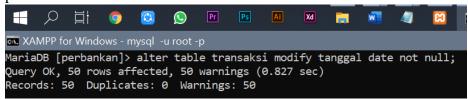
Menambahkan 10 record untuk table nasabah_has_rekening dan menampilkan hasilnya



Menambahkan 20 record untuk table transaksi dan menampilkan hasilnya

	0 0 O	Pr Ps Ai	xd a w 4	-	menamp	ilkali liasili.	i y u
					···		
XAMPP for Windom MariaDB [perbank]		•	transaksi, no r <u>e</u> ke	ningFK, ic	nasabahFK,	jenis_transaksi,	tanggal, jumlah) VALUES
-> (31, 121,	, 11, 'debit',	2009-12-7, 50000)),	,	, in the second	,	, , , , , , , , , , , , , , , , , , , ,
		2009-12-8, 55000 2009-12-9, 60000)					
-> (34, 124,	, 13, 'kredit',	2009-12-10, 6500), 90),				
-> (35, 125,	, 15, 'debit',	2009-12-11, 70000	a) ,				
		2009-12-12, 7500 2009-12-13, 80000					
		2009-12-14, 8500					
		2009-12-15, 90000					
		2009-12-16, 9500 2009-12-17, 9500					
		2009-12-18, 90000					
		2009-12-19, 8500					
		2009-12-20, 80000 2009-12-21, 7500					
		2009-12-22, 70000					
		2009-12-23, 6500					
		2009-12-24, 60000 2009-12-25, 5500					
-> (50, 130,	20, 'debit',	2009-12-26, 50000	e);				
Query OK, 20 row	vs affected, 20	warnings (0.146	sec)				
Records: 20 Dup	olicates: 0 Wa	rmings: 20					
MariaDB [perbank							
	id pasababEV		tonis transakai	+		++ _ium]_ab	
NO_Cransaks1 +	u_nasabanFK 	No_rekeningFK +	jenis_transaksi +	+		jumlah ++	
1	3	105	debit	0000-00-	00:00:00	50000	
2	2	103	debit		00:00:00	40000	
] 3 4	4	101 106	kredit debit		00 00:00:00 00 00:00:00	20000 50000	
5	5	107	kredit		00 00:00:00	30000	
6	1	104	kredit		00:00:00	200000	
7 8	9 5	100 102	kredit debit		00 00:00:00 00 00:00:00	150000 20000	
9	3	105	kredit		00 00:00:00	50000	
10	4	107	debit		00 00:00:00	100000	
11 12	2 1	103 104	debit debit		00 00:00:00 00 00:00:00	100000 50000	
13	4	107	kredit		00 00:00:00	200000	
14	3	105	debit		00 00:00:00	40000	
15 16	1 4	104 101	kredit kredit		00 00:00:00 00 00:00:00	100000 20000	
17	2	103	debit		00 00:00:00	50000	
18	5	102	debit		00:00:00	50000	
19 20	10 3	108 106	debit kredit		00 00:00:00 00 00:00:00	100000 50000	
20	2	103	kredit		00 00:00:00	200000	
22	3	105	kredit		00 00:00:00	100000	
23 24	5 1	102 104	debit debit		00 00:00:00 00 00:00:00	20000 50000	
25	2	103	debit debit		00:00:00	40000	
26	4	101	debit		00 00:00:00	50000	
27 28	2 5	103 102	kredit kredit		00 00:00:00 00 00:00:00	100000 20000	
28	7	109	debit		00:00:00	100000	
30	9	110	debit	0000-00-	00:00:00	20000	
31 32	11 12	121 122	debit kredit		00 00:00:00 00 00:00:00	50000 55000	
33	13	123	debit		00:00:00	60000	
34	14	124	kredit	0000-00-	00:00:00	65000	
] 35 36	15 16	125 126	debit kredit		00 00:00:00 00 00:00:00	70000 75000	
37	17	127	debit		00:00:00	80000	
38	18	128	kredit		00 00:00:00	85000	
] 39 40	19 20	129 130	debit kredit		00 00:00:00 00 00:00:00	90000 95000	
41	11	121	kredit kredit		00:00:00	95000	
42	12	122	debit	0000-00-	00:00:00	90000	
43	13	123	kredit debit		00:00:00	85000	
44 45	14 15	124 125	debit kredit		00 00:00:00 00 00:00:00	80000 75000	
46	16	126	debit	0000-00-	00:00:00	70000	
47	17	127	kredit		00:00:00	65000	
48 49	18 19	128 129	debit kredit		00 00:00:00 00 00:00:00	60000 55000	
50	20	130	debit		00:00:00		
+ 50 rows in set (+		+	

Mengubah tipe data "tanggal" pada table transaksi menjadi "date not null" menggunakan perintah "alter table"



Mengupdate data pada table transaksi menggunakan perintah "update"

```
XAMPP for Windows - mysql -u root -p
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-10' where no_transaksi = 1;
Query OK, 1 row affected (0.042 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-10' where no_transaksi = 2;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-12' where no_transaksi = 3;
Query OK, 1 row affected (0.020 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-13' where no_transaksi = 4;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-13' where no_transaksi = 5;
Query OK, 1 row affected (0.038 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-15' where no_transaksi = 6;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-15' where no_transaksi = 7;
Query OK, 1 row affected (0.020 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-16' where no_transaksi = 8;
Query OK, 1 row affected (0.023 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-18' where no_transaksi = 9;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-19' where no_transaksi = 10;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-19' where no_transaksi = 11;
Query OK, 1 row affected (0.019 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-19' where no_transaksi = 12;
Query OK, 1 row affected (0.025 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-20' where no_transaksi = 13;
Query OK, 1 row affected (0.021 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-21' where no_transaksi = 14;
Query OK, 1 row affected (0.022 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-22' where no_transaksi = 15;
Query OK, 1 row affected (0.026 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-22' where no_transaksi = 16;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-22' where no_transaksi = 17;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-25' where no_transaksi = 18;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-26' where no_transaksi = 19;
Query OK, 1 row affected (0.027 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-27' where no_transaksi = 20;
Query OK, 1 row affected (0.051 sec)
Rows matched: 1 Changed: 1 Warnings: 0
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-28' where no_transaksi = 21;
Query OK, 1 row affected (0.018 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-28' where no_transaksi = 22;
Query OK, 1 row affected (0.026 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-11-30' where no_transaksi = 23;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-1' where no_transaksi = 24;
Query OK, 1 row affected (0.059 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-2' where no_transaksi = 25;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-4' where no_transaksi = 26;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-5' where no_transaksi = 27;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-5' where no_transaksi = 28;
Query OK, 1 row affected (0.026 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-5' where no_transaksi = 29;
Query OK, 1 row affected (0.043 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-6' where no_transaksi = 30;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-7' where no_transaksi = 31;
Query OK, 0 rows affected (0.000 sec)
Rows matched: 1 Changed: 0 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-8' where no_transaksi = 32;
Query OK, 1 row affected (0.020 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-9' where no_transaksi = 33;
Query OK, 1 row affected (0.018 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-10' where no_transaksi = 34;
Query OK, 1 row affected (0.037 sec)
Rows matched: 1 Chappeds (1.00)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-11' where no_transaksi = 35;
Query OK, 1 row affected (0.019 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-12' where no_transaksi = 36;
Query OK, 1 row affected (0.026 sec)
Rows matched: 1 Changed: 1 Warning
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-13' where no_transaksi = 37;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-14' where no_transaksi = 38;
Query OK, 1 row affected (0.037 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-15' where no_transaksi = 39;
Query OK, 1 row affected (0.035 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-16' where no_transaksi = 40;
Query OK, 1 row affected (0.029 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-17' where no_transaksi = 41;
Query OK, 1 row affected (0.008 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-18' where no_transaksi = 42;
Query OK, 1 row affected (0.029 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-19' where no_transaksi = 43;
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-20' where no_transaksi = 44;
Query OK, 1 row affected (0.031 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-21' where no_transaksi = 45;
Query OK, 1 row affected (0.008 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-22' where no_transaksi = 46;
Query OK, 1 row affected (0.022 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-23' where no_transaksi = 47;
Query OK, 1 row affected (0.019 sec)
 Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-24' where no_transaksi = 48;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-25' where no_transaksi = 49;
Query OK, 1 row affected (0.014 sec)
Rows matched: 1 Changed: 1 Warnings: 0
MariaDB [perbankan]> update transaksi set tanggal = '2009-12-26' where no_transaksi = 50;
Query OK, 1 row affected (0.032 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Menampilkan hasil update table transaksi

ザ タ 斯		e table transal	Xd 🙀 🚾 👍							
	ows - mysql -u root									
	kan]> select*fro									
no_transaksi	+ id_nasabahFK	no_rekeningFK	+ jenis_transaksi	tanggal	++ jumlah					
1	3	105	debit	2009-11-10	50000					
2	2	103	debit	2009-11-10	40000					
3	4	101	kredit	2009-11-12	20000					
4	3	106	debit	2009-11-13	50000					
5 6	5 1	107 104	kredit kredit	2009-11-13 2009-11-15	30000 200000					
7	9	100	kredit	2009-11-15	150000					
8	5	102	debit	2009-11-16	20000					
9	3	105	kredit	2009-11-18	50000					
10	4	107	debit	2009-11-19	100000					
11	2	103	debit	2009-11-19	100000					
12	1	104	debit	2009-11-19	50000					
13 14	4	107	kredit debit	2009-11-20	200000					
15] 3 1	105 104	debit kredit	2009-11-21 2009-11-22	40000 100000					
16	4	101	kredit	2009-11-22	20000					
17	2	103	debit	2009-11-22	50000					
18	5	102	debit	2009-11-25	50000					
19	10	108	debit	2009-11-26	100000					
20	3	106	kredit	2009-11-27	50000					
21	2	103	kredit	2009-11-28	200000					
22 23] 3 5	105 102	kredit debit	2009-11-28 2009-11-30	100000					
24	3	102	debit debit	2009-11-30	20000 50000					
25	2	103	debit	2009-12-02	40000					
26	4	101	debit	2009-12-04	50000					
27	2	103	kredit	2009-12-05	100000					
28	5	102	kredit	2009-12-05	20000					
29 30	7 9	109 110	debit debit	2009-12-05 2009-12-06	100000 20000					
31	11	121	debit	2009-12-07	50000					
32	12	122	kredit	2009-12-08	55000					
33	13	123	debit	2009-12-09	60000					
34	14	124	kredit	2009-12-10	65000					
35	15	125	debit	2009-12-11	70000					
36 37	16 17	126 127	kredit debit	2009-12-12 2009-12-13	75000 80000					
38	18	128	kredit	2009-12-14	85000 85000					
39	19	129	debit	2009-12-15	90000					
40	20	130	kredit	2009-12-16	95000					
41	11	121	kredit	2009-12-17	95000					
42	12	122	debit	2009-12-18	90000					
43	13	123	kredit	2009-12-19	85000					
44 45	14 15	124	debit kredit	2009-12-20	80000 75000					
45 46	15 16	125 126	kredit debit	2009-12-21 2009-12-22	75000 70000					
47	17	127	kredit	2009-12-22	65000					
48	18	128	debit	2009-12-24	60000					
49	19	129	kredit	2009-12-25	55000					
50	20	130	debit	2009-12-26	50000					
a pows in set	(0, 061, cos)	 	+		++					
9 rows in set	(8.061 Sec)									
MariaDB [perbankan]> _										
iai tabb (perbankan)> _										