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Kelas : A

PRAKTIKUM BASIS DATA MODUL 5

Tabel nasabah

```
MariaDB [perbankan]> INSERT INTO nasabah VALUES(01,"sutopo","Jl. jendral sudirman 12"),
-> (02,"maryati","Jl. MT. Haryono 31"),
-> (03,"suparman","Jl. hasanudin 81"),
-> (04,"kartika padmasari","Jl. manggis 1"),
-> (05,"budi eko prayogo","Jl. kantil 30"),
-> (06,"satria eka jaya","Jl. slamet riyadi 45"),
-> (07,"indri hapsari","Jl. sutoyo 5"),
-> (08,"sari murti","Jl. pangandaran 11"),
-> (09,"canka lokananta","Jl. tidar 86"),
-> (10,"budi murtono","Jl. merak 22");
Query OK, 10 rows affected (0.07 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> select *from nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah
1	sutopo	Jl. jendral sudirman 12
2	maryati	Jl. MT. Haryono 31
3	suparman	Jl. hasanudin 81
4	kartika padmasari	Jl. manggis 1
5	budi eko prayogo	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 lokananta	Jl. tidar 86
10	budi murtono	Jl. merak 22

```
10 rows in set (0.00 sec)
```

Tabel cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank VALUES("BRUS","bank rut unit surakarta", "Jl. slamet riyadi 18"),
-> ("BRUM","Bank Rut Unit Magelang", "Jl. P. Tendean 63"),
-> ("BRUB","Bank Rut Unit Boyolali", "Jl. ahmad yani 45"),
-> ("BRUK","Bank Rut Unit Klaten", "Jl. suparman 23"),
-> ("BRUY","Bank Rut Unit Yogyakarta", "Jl. anggrek 21"),
-> ("BRUW","Bank Rut Unit Wonogiri", "Jl. untung suropati 12");
Query OK, 6 rows affected (0.20 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> select *from cabang_bank;
```

kode_cabang	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. ahmad yani 45
BRUK	Bank Rut Unit Klaten	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

```
6 rows in set (0.00 sec)
```

Tabel rekening

```
MariaDB [perbankan]> INSERT INTO rekening VALUES(101, "BRUS", "1111", 500000),
-> (102, "BRUS", "2222", 350000),
-> (103, "BRUS", "3333", 750000),
-> (104, "BRUM", "4444", 900000),
-> (105, "BRU", "5555", 200000),
-> (106, "BRUS", "6666", 300000),
-> (107, "BRUS", "7777", 100000),
-> (108, "BRUB", "0000", 500000),
-> (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 (0.14 sec)
```

```
Records: 13 Duplicates: 0 Warnings: 0
```

```

MariaDB [perbankan]> select *from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
|          101 | BRUS          | 1111 | 500000 |
|          102 | BRUS          | 2222 | 350000 |
|          103 | BRUS          | 3333 | 750000 |
|          104 | BRUM          | 4444 | 900000 |
|          105 | BRU           | 5555 | 200000 |
|          106 | BRUS          | 6666 | 300000 |
|          107 | BRUS          | 7777 | 100000 |
|          108 | BRUB          | 0000 | 500000 |
|          109 | BRUB          | 9999 | 0       |
|          110 | BRUY          | 1234 | 550000 |
|          111 | BRUK          | 4321 | 150000 |
|          112 | BRUK          | 0123 | 300000 |
|          113 | BRUY          | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.00 sec)

```

Table nasabah_has_rekening

```

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening VALUES(1, 104),
-> (2, 103),
-> (3, 105),
-> (3, 106),
-> (4, 101),
-> (4, 107),
-> (5, 102),
-> (5, 107),
-> (6, 109),
-> (7, 109),
-> (8, 111),
-> (9, 110),
-> (10, 113),
-> (8, 112),
-> (10, 108);
Query OK, 15 rows affected (0.21 sec)
Records: 15  Duplicates: 0  Warnings: 0

```

```
MariaDB [perbankan]> select *from nasabah_has_rekening;
```

id_nasabahFK	no_rekeningFK
1	104
2	103
3	105
3	106
4	101
4	107
5	102
5	107
6	109
7	109
8	111
8	112
9	110
10	108
10	113

```
15 rows in set (0.00 sec)
```

Table transaksi

```
MariaDB [perbankan]>
MariaDB [perbankan]> INSERT INTO transaksi VALUES(1, 105, 3,"debit",2009-11-10,50000),
-> (2, 103, 2,"debit",2009-11-10,40000),
-> (3, 101, 4,"kredit",2009-11-10,20000),
-> (4, 106, 3,"debit",2009-11-12,50000),
-> (5, 107, 5,"kredit",2009-11-13,30000),
-> (6, 104, 1,"kredit",2009-11-13,200000),
-> (7, 110, 9,"kredit",2009-11-15,150000),
-> (8, 102, 5,"debit",2009-11-15,20000),
-> (9, 105, 3,"kredit",2009-11-16,50000),
-> (10, 107, 4,"debit",2009-11-18,100000),
-> (11, 103, 2,"debit",2009-11-19,100000),
-> (12, 104, 1,"debit",2009-11-19,50000),
-> (13, 107, 4,"kredit",2009-11-19,200000),
-> (14, 105, 2,"debit",2009-11-20,40000),
-> (15, 104, 1,"kredit",2009-11-21,100000),
-> (16, 101, 4,"kredit",2009-11-22,20000),
-> (17, 103, 2,"debit",2009-11-22,50000),
-> (18, 102, 5,"debit",2009-11-22,50000),
-> (19, 108, 10,"debit",2009-11-25,100000),
-> (20, 106, 3,"kredit",2009-11-26,50000),
-> (21, 103, 2,"kredit",2009-11-27,200000),
-> (22, 105, 3,"kredit",2009-11-28,100000),
-> (23, 102, 5,"debit",2009-11-28,20000),
-> (24, 104, 1,"debit",2009-11-30,50000),
-> (25, 103, 2,"debit",2009-12-1,40000),
-> (26, 101, 4,"debit",2009-12-4,50000),
-> (27, 103, 2,"kredit",2009-12-5,100000),
-> (28, 102, 5,"kredit",2009-12-5,200000),
-> (29, 109, 7,"debit",2009-12-5,100000),
-> (30, 110, 9,"debit",2009-12-6,20000);
Query OK, 30 rows affected, 30 warnings (0.24 sec)
Records: 30  Duplicates: 0  Warnings: 30
```

```
MariaDB [perbankan]> select *from transaksi;
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	105	3	debit	0000-00-00 00:00:00	50000
2	103	2	debit	0000-00-00 00:00:00	40000
3	101	4	kredit	0000-00-00 00:00:00	20000
4	106	3	debit	0000-00-00 00:00:00	50000
5	107	5	kredit	0000-00-00 00:00:00	30000
6	104	1	kredit	0000-00-00 00:00:00	200000
7	110	9	kredit	0000-00-00 00:00:00	150000
8	102	5	debit	0000-00-00 00:00:00	20000
9	105	3	kredit	0000-00-00 00:00:00	50000
10	107	4	debit	0000-00-00 00:00:00	100000
11	103	2	debit	0000-00-00 00:00:00	100000
12	104	1	debit	0000-00-00 00:00:00	50000
13	107	4	kredit	0000-00-00 00:00:00	200000
14	105	2	debit	0000-00-00 00:00:00	40000
15	104	1	kredit	0000-00-00 00:00:00	100000
16	101	4	kredit	0000-00-00 00:00:00	20000
17	103	2	debit	0000-00-00 00:00:00	50000
18	102	5	debit	0000-00-00 00:00:00	50000
19	108	10	debit	0000-00-00 00:00:00	100000
20	106	3	kredit	0000-00-00 00:00:00	50000
21	103	2	kredit	0000-00-00 00:00:00	200000
22	105	3	kredit	0000-00-00 00:00:00	100000
23	102	5	debit	0000-00-00 00:00:00	20000
24	104	1	debit	0000-00-00 00:00:00	50000
25	103	2	debit	0000-00-00 00:00:00	40000
26	101	4	debit	0000-00-00 00:00:00	50000
27	103	2	kredit	0000-00-00 00:00:00	100000
28	102	5	kredit	0000-00-00 00:00:00	200000
29	109	7	debit	0000-00-00 00:00:00	100000
30	110	9	debit	0000-00-00 00:00:00	20000

```
30 rows in set (0.00 sec)
```

6. update

a.

```
MariaDB [perbankan]> update nasabah set alamat_nasabah="jalan slamet riyadi no.34" where nama_nasabah="indri hapsari";
Query OK, 1 row affected (0.10 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select *from nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah
1	sutopo	Jl. jendral sudirman 12
2	maryati	Jl. MT. Haryono 31
3	suparman	Jl. hasanudin 81
4	kartika padmasari	Jl. manggis 1
5	budi eko prayogo	Jl. kantil 30
6	satria eka jaya	Jl. slamet riyadi 45
7	indri hapsari	jalan slamet riyadi no.34
8	sari murti	Jl. pangandaran 11
9	canka lokananta	Jl. tidar 86
10	budi murtono	Jl. merak 22

```
10 rows in set (0.00 sec)
```

b.

```
MariaDB [perbankan]> update cabang_bank set alamat_cabang="jalan A. yani no. 23" where kode_cabang="BRUW";
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [perbankan]> select *from cabang_bank;
```

kode_cabang	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. ahmad yani 45
BRUK	Bank Rut Unit Klaten	Jl. superman 23
BRUM	Bank Rut Unit Magelang	Jl. P. Tendean 63
BRUS	bank rut unit surakarta	Jl. slamet riyadi 18
BRUW	Bank Rut Unit Wonogiri	jalan A. yani no. 23
BRUY	Bank Rut Unit Yogyakarta	Jl. anggrek 21

```
6 rows in set (0.00 sec)
```

```
MariaDB [perbankan]>
```

7. DELETE

a.

```
MariaDB [perbankan]> delete from nasabah where id_nasabah=7;
Query OK, 1 row affected (0.04 sec)
```

```
MariaDB [perbankan]> select *from nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah
1	sutopo	Jl. jendral sudirman 12
2	maryati	Jl. MT. Haryono 31
3	superman	Jl. hasanudin 81
4	kartika padmasari	Jl. manggis 1
5	budi eko prayogo	Jl. kantil 30
6	satria eka jaya	Jl. slamet riyadi 45
8	sari murti	Jl. pangandaran 11
9	canka lokananta	Jl. tidar 86
10	budi murtono	Jl. merak 22

```
9 rows in set (0.00 sec)
```

b.

```
MariaDB [perbankan]> delete from cabang_bank where nama_cabang="Bank Rut Unit Magelang";
Query OK, 1 row affected (0.08 sec)
```

```
MariaDB [perbankan]> select *from cabang_bank;
```

kode_cabang	nama_cabang	alamat_cabang
BRUB	Bank Rut Unit Boyolali	Jl. ahmad yani 45
BRUK	Bank Rut Unit Klaten	Jl. superman 23
BRUS	bank rut unit surakarta	Jl. slamet riyadi 18
BRUW	Bank Rut Unit Wonogiri	jalan A. yani no. 23
BRUY	Bank Rut Unit Yogyakarta	Jl. anggrek 21

```
5 rows in set (0.00 sec)
```

```
MariaDB [perbankan]>
```

TUGAS

```
MariaDB [perkuliahan]> INSERT INTO mahasiswa VALUES(120, "kevin","surakarta"),
-> (121, "riu", "sukoharjo"),
-> (122, "rei", "boyolali"),
-> (123, "dika", "sragen"),
-> (124, "res", "sragen"),
-> (125, "aji", "sukoharjo"),
-> (126, "indu", "surabaya"),
-> (127, "toro", "jakarta"),
-> (128, "mana", "klaten"),
-> (129, "wewe", "sukoharjo"),
-> (130, "dede", "surakarta");
```

```
Query OK, 11 rows affected (0.12 sec)
```

```
Records: 11 Duplicates: 0 Warnings: 0
```

```
MariaDB [perkuliahan]> select *from mahasiswa;
```

NIM	nama_mahasiswa	alamat_mahasiswa
120	kevin	surakarta
121	riu	sukoharjo
122	rei	boyolali
123	dika	sragen
124	res	sragen
125	aji	sukoharjo
126	indu	surabaya
127	toro	jakarta
128	mana	klaten
129	wewe	sukoharjo
130	dede	surakarta

```
11 rows in set (0.00 sec)
```



```
MariaDB [perkuliahan]> INSERT INTO dosen VALUES(12121, "ririn","surakarta"),
-> (12122, "dimas" ,"sukoharjo"),
-> (12123, "joko", "boyolali"),
-> (12124, "budi", "sragen"),
-> (12125, "rere", "sragen"),
-> (12126, "aji", "sukoharjo"),
-> (12127, "indu", "surabaya"),
-> (12128, "toro", "jakarta"),
-> (12129, "lulu", "klaten"),
-> (12130, "wiwik", "sukoharjo"),
-> (12131, "dede", "surakarta");
Query OK, 11 rows affected (0.18 sec)
Records: 11  Duplicates: 0  Warnings: 0
```

```
MariaDB [perkuliahan]> select *from dosen;
```

```
+-----+-----+-----+
| id_dosen | nama_dosen | alamat_dosen |
+-----+-----+-----+
| 12121 | rinin | surakarta |
| 12122 | dimas | sukoharjo |
| 12123 | joko | boyolali |
| 12124 | budi | sragen |
| 12125 | rere | sragen |
| 12126 | aji | sukoharjo |
| 12127 | indu | surabaya |
| 12128 | toro | jakarta |
| 12129 | lulu | klaten |
| 12130 | wiwik | sukoharjo |
| 12131 | dede | surakarta |
+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [perkuliahan]> INSERT INTO ruang_kelas VALUES(401, "TIF40500",36),
-> (403, "TIF40501",50),
-> (402, "TIF40502",36),
-> (301, "UMS40503",42),
-> (300, "TIF40504",60),
-> (305, "TIF40505",60),
-> (302, "TIF40510",42),
-> (407, "UMS40511",36),
-> (406, "UMS40512",60),
-> (405, "TIF40513",36),
-> (404, "TIF40514",50);
```

Query OK, 11 rows affected (0.11 sec)

Records: 11 Duplicates: 0 Warnings: 0

```
MariaDB [perkuliahan]> select *from ruang_kelas;
```

kode_kelas	mata_kuliah_kode_matkul	jumlah_kelas
300	TIF40504	60
301	UMS40503	42
302	TIF40510	42
305	TIF40505	60
401	TIF40500	36
402	TIF40502	36
403	TIF40501	50
404	TIF40514	50
405	TIF40513	36
406	UMS40512	60
407	UMS40511	36

11 rows in set (0.00 sec)

```

MariaDB [perkuliahan]> INSERT INTO mata_kuliah VALUES("TIF40500",12131,"web statis"),
-> ("TIF40501",12121,"algoritma"),
-> ("TIF40502",12122,"web dinamis"),
-> ("UMS40503",12123,"jaringan komputer"),
-> ("TIF40504",12124,"basis data"),
-> ("TIF40505",12125,"prak basis data"),
-> ("TIF40510",12126,"prak algo"),
-> ("UMS40511",12127,"prak jarkom"),
-> ("UMS40512",12128,"pkn"),
-> ("TIF40513",12129,"kemuhammadiyah"),
-> ("TIF40514",12130,"islam iptek");
Query OK, 11 rows affected (0.19 sec)
Records: 11  Duplicates: 0  Warnings: 0

```

```

MariaDB [perkuliahan]> select *from mata_kuliah;

```

kode_matkul	dosen_id_dosen	nama_matkul
TIF40500	12131	web statis
TIF40501	12121	algoritma
TIF40502	12122	web dinamis
TIF40504	12124	basis data
TIF40505	12125	prak basis data
TIF40510	12126	prak algo
TIF40513	12129	kemuhammadiyah
TIF40514	12130	islam iptek
UMS40503	12123	jaringan komputer
UMS40511	12127	prak jarkom
UMS40512	12128	pkn

```

11 rows in set (0.00 sec)

```

```
MariaDB [perkuliahan]> INSERT INTO mahasiswa_has_mata_kuliah VALUES("TIF40500",120),
-> ("TIF40501",121),
-> ("TIF40502",122),
-> ("UMS40503",123),
-> ("TIF40504",124),
-> ("TIF40505",125),
-> ("TIF40510",126),
-> ("UMS40511",127),
-> ("UMS40512",128),
-> ("TIF40513",129),
-> ("TIF40514",130);
```

```
Query OK, 11 rows affected (0.27 sec)
Records: 11  Duplicates: 0  Warnings: 0
```

```
MariaDB [perkuliahan]> select *from mahasiswa_has_mata_kuliah;
```

mata_kuliah_kode_matkul	mahasiswa_NIM
TIF40500	120
TIF40501	121
TIF40502	122
TIF40504	124
TIF40505	125
TIF40510	126
TIF40513	129
TIF40514	130
UMS40503	123
UMS40511	127
UMS40512	128

```
11 rows in set (0.00 sec)
```

```
MariaDB [perkuliahan]> INSERT INTO mahasiswa_has_dosen VALUES(120,12131),
-> (121,12121),
-> (122,12122),
-> (123,12123),
-> (124,12124),
-> (125,12125),
-> (126,12126),
-> (127,12127),
-> (128,12128),
-> (129,12129),
-> (130,12130);
```

```
Query OK, 11 rows affected (0.11 sec)
Records: 11  Duplicates: 0  Warnings: 0
```

```
MariaDB [perkuliahan]> select *from mahasiswa_has_dosen;
```

mahasiswa_NIM	dosen_id_dosen
120	12131
121	12121
122	12122
123	12123
124	12124
125	12125
126	12126
127	12127
128	12128
129	12129
130	12130

```
11 rows in set (0.00 sec)
```