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### Laporan Praktikum Basis Data Modul 5

1. Menambah nasabah.

Kode :

```
MariaDB [modul_5]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
-> VALUES(11, 'Budi Murtopo', 'Jl. Perak 20'),
-> (12, 'Budi Subagiyo', 'Jl. Ahmad Yani 10'),
-> (13, 'Sumaryanto', 'Jl. Nanas 2'),
-> (14, 'Sulatan Wakanda', 'Jl. Asia Frika 1'),
-> (15, 'Rudi', 'Jl. Semangka 33'),
-> (16, 'Yerika', 'Jl. Salak 76'),
-> (17, 'Michele', 'Jl. Duku 56'),
-> (18, 'Kevin', 'Jl. Lemon 24'),
-> (19, 'Ahmad', 'Jl. Obama 8'),
-> (20, 'Ahmad Sudarmono', 'Jl. Donald 22');
```

Hasil :

```
MariaDB [modul_5]> 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 15 |
| 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 |
| 11 | Budi Murtopo | Jl. Perak 20 |
| 12 | Budi Subagiyo | Jl. Ahmad Yani 10 |
| 13 | Sumaryanto | Jl. Nanas 2 |
| 14 | Sulatan Wakanda | Jl. Asia Frika 1 |
| 15 | Rudi | Jl. Semangka 33 |
| 16 | Yerika | Jl. Salak 76 |
| 17 | Michele | Jl. Duku 56 |
| 18 | Kevin | Jl. Lemon 24 |
| 19 | Ahmad | Jl. Obama 8 |
| 20 | Ahmad Sudarmono | Jl. Donald 22 |
+-----+-----+-----+
19 rows in set (0.06 sec)
```

2. Menambah cabang bank.

Kode :

```

MariaDB [modul_51] > INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang)
-> VALUES('BRUA', 'Bank Rut Unit Aceh', 'Jl. Ahmad Yani 8'),
-> ('BRUC', 'Bank Rut Unit Cilacap', 'Jl. Tentara Pelajar 34'),
-> ('BRUD', 'Bank Rut Unit Demak', 'Jl. Slamet Raharjo 5'),
-> ('BRUBB', 'Bank Rut Unit Bangka Belitung', 'Jl. Kenangan 12'),
-> ('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18'),
-> ('BRUSE', 'Bank Rut Unit Semarang', 'Jl. Nangka 22'),
-> ('BRUN', 'Bank Rut Unit Ngawi', 'Jl. Slamet 6'),
-> ('BRUSD', 'Bank Rut Unit Sungai Danau', 'Jl. Gethek 2'),
-> ('BRUS', 'Bank Rut Unit Surakarta', 'Jl. Slamet Riyadi 18'),
-> ('BRUSR', 'Bank Rut Unit Solo Raya', 'Jl. Slamet Riyadi 54');

```

Hasil :

```

MariaDB [modul_51] > select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUA | Bank Rut Unit Aceh | Jl. Ahmad Yani 8 |
| BRUB | Bank Rut Unit Boyolali | Jl. Ahmad yani 45 |
| BRUBB | Bank Rut Unit Bangka Belitung | Jl. Kenangan 12 |
| BRUC | Bank Rut Unit Cilacap | Jl. Tentara Pelajar 34 |
| BRUD | Bank Rut Unit Demak | Jl. Slamet Raharjo 5 |
| BRUK | Bank Rut Unit Klaten | Jl. Suparman 23 |
| BRUN | Bank Rut Unit Ngawi | Jl. Slamet 6 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUSD | Bank Rut Unit Sungai Danau | Jl. Gethek 2 |
| BRUSE | Bank Rut Unit Semarang | Jl. Nangka 22 |
| BRUSI | Bank Rut Unit Sidoarjo | Jl. Slamet Riyadi 33 |
| BRUSR | Bank Rut Unit Solo Raya | Jl. Slamet Riyadi 54 |
| BRUSUR | Bank Rut Unit Surabaya | Jl. Slamet Riyadi 18 |
| BRUW | Bank Rut Unit Wonogiri | Jl. A.Yani No.23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
15 rows in set (0.04 sec)

```

### 3. Menambah rekening.

Kode :

```

MariaDB [modul_51] > INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo)
-> VALUES('114', 'BRUC', '1112', '55000'),
-> ('115', 'BRUC', '1113', '35000'),
-> ('116', 'BRUS', '1114', '150000'),
-> ('117', 'BRUS', '1115', '546376'),
-> ('118', 'BRUSR', '1116', '333000'),
-> ('119', 'BRUD', '1117', '220000'),
-> ('120', 'BRUC', '1118', '1000000'),
-> ('121', 'BRUD', '1119', '20000'),
-> ('122', 'BRUD', '1120', '500000'),
-> ('123', 'BRUD', '1121', '12000');

```

Hasil :

```
MariaDB [modul_51] > 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	BRUM	5555	2000000
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
114	BRUC	1112	55000
115	BRUC	1113	35000
116	BRUS	1114	150000
117	BRUS	1115	546376
118	BRUSR	1116	333000
119	BRUD	1117	220000
120	BRUC	1118	1000000
121	BRUD	1119	20000
122	BRUD	1120	500000
123	BRUD	1121	12000

```
23 rows in set (0.04 sec)
```

- Menambah nasabah\_has\_rekening.

Kode :

```
MariaDB [modul_51] > INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK)
-> VALUES(11, 114),
-> (12,115),
-> (13,116),
-> (14,117),
-> (15,118),
-> (16,119),
-> (17,120),
-> (18,121),
-> (19,122),
-> (20,123);
```

```
MariaDB [modul_51] > 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
11	114
12	115
13	116
14	117
15	118
16	119
17	120
18	121
19	122
20	123

## 5. Menambah transaksi.

Kode :

```
MariaDB [modul_51] > INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah)
-> VALUES(31, 115, 12, 'debit', '2009-11-10', 55000 ),
-> (32, 115, 12, 'debit', '2009-11-10', 355000 ),
-> (33, 116, 13, 'debit', '2009-11-20', 355000 ),
-> (34, 117, 14, 'debit', '2009-11-10', 356000 ),
-> (35, 118, 15, 'debit', '2009-11-20', 356000 ),
-> (36, 119, 16, 'debit', '2009-11-10', 356000 ),
-> (37, 120, 17, 'debit', '2009-11-20', 356000 ),
-> (38, 121, 18, 'debit', '2009-11-10', 356000 ),
-> (39, 122, 19, 'debit', '2009-11-20', 200000 ),
-> (40, 123, 20, 'debit', '2009-11-10', 200000 ),
-> (41, 115, 12, 'kredit', '2009-11-20', 200000 ),
-> (42, 116, 13, 'kredit', '2009-11-22', 200000 ),
-> (43, 117, 14, 'debit', '2009-11-22', 200000 ),
-> (44, 118, 15, 'kredit', '2009-11-22', 500000 ),
-> (45, 119, 16, 'kredit', '2009-11-22', 500000 ),
-> (46, 120, 17, 'kredit', '2009-11-22', 500000 ),
-> (47, 121, 18, 'kredit', '2009-11-25', 500000 ),
-> (48, 122, 19, 'kredit', '2009-11-25', 500000 ),
-> (49, 123, 20, 'kredit', '2009-11-25', 342500 ),
-> (50, 115, 12, 'kredit', '2009-11-25', 342500 );
```

Hasil :

kesimpulan dari percobaan diatas adalah saat kita memasukkan record ke dalam database maka secara otomatis data di dalam database bertambah dan sesuai pada tabel yang ada

MariaDB [modul\_51]> select \* from transaksi;

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2009-11-10 00:00:00	50000
2	2	103	debit	2009-11-10 00:00:00	40000
3	4	101	kredit	2009-11-12 00:00:00	20000
4	3	106	debit	2009-11-13 00:00:00	50000
5	5	107	kredit	2009-11-13 00:00:00	30000
6	1	104	kredit	2009-11-15 00:00:00	200000
7	9	110	kredit	2009-11-15 00:00:00	150000
8	5	102	debit	2009-11-16 00:00:00	20000
9	3	105	kredit	2009-11-18 00:00:00	50000
10	4	107	debit	2009-11-19 00:00:00	100000
11	2	103	debit	2009-11-19 00:00:00	100000
12	1	104	debit	2009-11-19 00:00:00	50000
13	4	107	kredit	2009-11-20 00:00:00	200000
14	3	105	debit	2009-11-21 00:00:00	40000
15	1	104	kredit	2009-11-22 00:00:00	100000
16	4	101	kredit	2009-11-22 00:00:00	20000
17	2	103	debit	2009-11-22 00:00:00	50000
18	5	102	debit	2009-11-25 00:00:00	50000
19	10	108	debit	2009-11-26 00:00:00	100000
20	3	106	kredit	2009-11-27 00:00:00	50000
21	2	103	kredit	2009-11-28 00:00:00	200000
22	3	105	kredit	2009-11-28 00:00:00	100000
23	5	102	debit	2009-11-30 00:00:00	20000
24	1	104	debit	2009-12-01 00:00:00	50000
25	2	103	debit	2009-12-02 00:00:00	40000
26	4	101	debit	2009-12-04 00:00:00	50000
27	2	103	kredit	2009-12-05 00:00:00	100000
28	5	102	kredit	2009-12-05 00:00:00	200000
29	7	109	debit	2009-12-05 00:00:00	100000
30	9	110	debit	2009-12-06 00:00:00	20000
31	12	115	debit	2009-11-10 00:00:00	55000
32	12	115	debit	2009-11-10 00:00:00	355000
33	13	116	debit	2009-11-20 00:00:00	355000
34	14	117	debit	2009-11-10 00:00:00	356000
35	15	118	debit	2009-11-20 00:00:00	356000
36	16	119	debit	2009-11-10 00:00:00	356000
37	17	120	debit	2009-11-20 00:00:00	356000
38	18	121	debit	2009-11-10 00:00:00	356000
39	19	122	debit	2009-11-20 00:00:00	200000
40	20	123	debit	2009-11-10 00:00:00	200000
41	12	115	kredit	2009-11-20 00:00:00	200000
42	13	116	kredit	2009-11-22 00:00:00	200000
43	14	117	debit	2009-11-22 00:00:00	200000
44	15	118	kredit	2009-11-22 00:00:00	500000
45	16	119	kredit	2009-11-22 00:00:00	500000
46	17	120	kredit	2009-11-22 00:00:00	500000
47	18	121	kredit	2009-11-25 00:00:00	500000
48	19	122	kredit	2009-11-25 00:00:00	500000
49	20	123	kredit	2009-11-25 00:00:00	342500
50	12	115	kredit	2009-11-25 00:00:00	342500

50 rows in set (0.05 sec)