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Kelas : C

Latihan

Tabel Nasabah:

```
MariaDB [perbankan]> insert into nasabah(id_nasabah, nama_nasabah, alamat_nasabah) values
-> (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'),
-> (7, 'Indri Hapsari', 'Jl. Sutoyo 5'),
-> (8, 'Sari Murti', 'Jl. Pangandaran 11'),
-> (9, 'Canka Lokananta', 'Jl. Tidar 86'),
-> (10, 'Budi Murtono', 'Jl. Merak 22');
Query OK, 10 rows affected (0.01 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 15
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(kode_cabang, nama_cabang, alamat_cabang) 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 (0.00 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(no_rekening, kode_cabangFK, pin, saldo) values
-> (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);
Query OK, 13 rows affected (0.00 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	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

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

Tabel nasabah_has_rekening

```
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK, no_rekeningFK) 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 (0.00 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)

Tabel transaksi

```
MariaDB [perbankan]> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (1, 105, 3, 'debit', '2009-11-10', 50000),
-> (2, 103, 2, 'debit', '2009-11-10', 40000),
-> (3, 101, 4, 'kredit', '2009-11-12', 20000),
-> (4, 106, 3, 'debit', '2009-11-13', 50000),
-> (5, 107, 5, 'kredit', '2009-11-13', 30000),
-> (6, 104, 1, 'kredit', '2009-11-15', 200000),
-> (7, 110, 9, 'kredit', '2009-11-15', 150000),
-> (8, 102, 5, 'debit', '2009-11-16', 20000),
-> (9, 105, 3, 'kredit', '2009-11-18', 50000),
-> (10, 107, 4, 'debit', '2009-11-19', 100000),
-> (11, 103, 2, 'debit', '2009-11-19', 100000),
-> (12, 104, 1, 'debit', '2009-11-19', 50000),
-> (13, 107, 4, 'kredit', '2009-11-20', 200000),
-> (14, 105, 3, 'debit', '2009-11-21', 40000),
-> (15, 104, 1, 'kredit', '2009-11-22', 100000),
-> (16, 101, 4, 'kredit', '2009-11-22', 20000),
-> (17, 103, 2, 'debit', '2009-11-22', 50000),
-> (18, 102, 5, 'debit', '2009-11-25', 50000),
-> (19, 108, 10, 'debit', '2009-11-26', 100000),
-> (20, 106, 3, 'kredit', '2009-11-27', 50000),
-> (21, 103, 2, 'kredit', '2009-11-28', 200000),
-> (22, 105, 3, 'kredit', '2009-11-28', 100000),
-> (23, 102, 5, 'debit', '2009-11-30', 20000),
-> (24, 104, 1, 'debit', '2009-12-1', 50000),
-> (25, 103, 2, 'debit', '2009-12-2', 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 (0.00 sec)
Records: 30 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> 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

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


Tugas

Tabel nasabah

```
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (11,'Andi','Jl Hasanudin 25'),
-> (12,'Udin','Jl Honggowongso 21'),
-> (13,'Syamsudin','Jl Ahmad Yani 10'),
-> (14,'Ahmad Zaki','Jl Tendean 5'),
-> (15,'Burhan','Jl Suramadu 102'),
-> (16,'Izul','Jl Kemangi 32'),
-> (17,'Sari','Jl Bandung 1'),
-> (18,'Budi Kariadi','Jl Kariadi 9'),
-> (19,'Zaki Izudin','Jl Merak 43'),
-> (20,'Candra','Jl Marwan 63');
Query OK, 10 rows affected (0.00 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 15
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
11	Andi	Jl Hasanudin 25
12	Udin	Jl Honggowongso 21
13	Syamsudin	Jl Ahmad Yani 10
14	Ahmad Zaki	Jl Tendean 5
15	Burhan	Jl Suramadu 102
16	Izul	Jl Kemangi 32
17	Sari	Jl Bandung 1
18	Budi Kariadi	Jl Kariadi 9
19	Zaki Izudin	Jl Merak 43
20	Candra	Jl Marwan 63

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

Tabel cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BAS','Bank Amal Surakarta','Jl Apel 3'),
-> ('BAY','Bank Amal Yogyakarta','Jl Ahmad Yani 17'),
-> ('BAM','Bank Amal Magelang','Jl Suramadu 82'),
-> ('BAK','Bank Amal Kartasura','Jl Colomadu 22'),
-> ('BAB','Bank Amal Boyolali','Jl Jambu 2'),
-> ('BAW','Bank Amal Wonogiri','Jl Madurasa 125');
Query OK, 6 rows affected (0.00 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

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

kode_cabang	nama_cabang	alamat_cabang
BAB	Bank Amal Boyolali	Jl Jambu 2
BAK	Bank Amal Kartasura	Jl Colomadu 22
BAM	Bank Amal Magelang	Jl Suramadu 82
BAS	Bank Amal Surakarta	Jl Apel 3
BAW	Bank Amal Wonogiri	Jl Madurasa 125
BAY	Bank Amal Yogyakarta	Jl Ahmad Yani 17
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

12 rows in set (0.00 sec)

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BAD','Bank Amal Bandung','Jl Mega jaya 101'),
-> ('BAJ','Bank Amal Jakarta','Jl MT. Thamrin 21'),
-> ('BAP','Bank Amal Pati','Jl Kepatihan 77'),
-> ('BAA','Bank Amal Aceh','Jl Abdul Hamid 37');
Query OK, 4 rows affected (0.00 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

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

kode_cabang	nama_cabang	alamat_cabang
BAA	Bank Amal Aceh	Jl Abdul Hamid 37
BAB	Bank Amal Boyolali	Jl Jambu 2
BAD	Bank Amal Bandung	Jl Mega jaya 101
BAJ	Bank Amal Jakarta	Jl MT. Thamrin 21
BAK	Bank Amal Kartasura	Jl Colomadu 22
BAM	Bank Amal Magelang	Jl Suramadu 82
BAP	Bank Amal Pati	Jl Kepatihan 77
BAS	Bank Amal Surakarta	Jl Apel 3
BAW	Bank Amal Wonogiri	Jl Madurasa 125
BAY	Bank Amal Yogyakarta	Jl Ahmad Yani 17
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

16 rows in set (0.00 sec)

Tabel rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
-> (114,'BAS','1234', 100000),
-> (115,'BAY','4321', 150000),
-> (116,'BAM','1111', 200000),
-> (117,'BAK','2222', 300000),
-> (118,'BAB','3333', 250000),
-> (119,'BAW','4444', 50000),
-> (120,'BAD','5555', 20000),
-> (121,'BAJ','6666', 500000),
-> (122,'BAP','7777', 400000),
-> (123,'BAA','8888', 450000);
Query OK, 10 rows affected (0.00 sec)
Records: 10 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	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	BAS	1234	100000
115	BAY	4321	150000
116	BAM	1111	200000
117	BAK	2222	300000
118	BAB	3333	250000
119	BAW	4444	50000
120	BAD	5555	20000
121	BAJ	6666	500000
122	BAP	7777	400000
123	BAA	8888	450000

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

tabel nasabah_has_rekening

```
MariaDB [perbankan]> 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);
```

Query OK, 10 rows affected (0.00 sec)
Records: 10 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
11	114
12	115
13	116
14	117
15	118
16	119
17	120
18	121
19	122
20	123

25 rows in set (0.00 sec)

tabel transaksi

```
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, id_nasabahFK, no_rekeningFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (34, 15, 115, 'kredit', '2020-3-2', 200000),
-> (35, 21, 121, 'kredit', '2020-3-3', 100000),
-> (36, 16, 116, 'debit', '2020-3-3', 100000),
-> (37, 20, 120, 'kredit', '2020-3-4', 75000),
-> (38, 17, 117, 'debit', '2020-3-4', 175000),
-> (39, 19, 119, 'kredit', '2020-3-5', 250000),
-> (40, 14, 114, 'kredit', '2020-3-5', 150000),
-> (41, 23, 123, 'debit', '2020-3-6', 150000),
-> (42, 14, 114, 'debit', '2020-3-6', 350000),
-> (43, 22, 122, 'debit', '2020-3-7', 250000),
-> (44, 15, 115, 'debit', '2020-3-7', 50000),
-> (45, 21, 121, 'debit', '2020-3-8', 200000),
-> (46, 16, 116, 'kredit', '2020-3-8', 50000),
-> (47, 20, 120, 'debit', '2020-3-9', 100000),
-> (48, 17, 117, 'kredit', '2020-3-9', 200000),
-> (49, 19, 119, 'debit', '2020-3-10', 300000),
-> (50, 18, 118, 'kredit', '2020-3-10', 250000);
Query OK, 17 rows affected (0.01 sec)
Records: 17 Duplicates: 0 Warnings: 0
```

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	18	118	debit	2020-03-01 00:00:00	50000
32	23	123	debit	2020-03-01 00:00:00	100000
33	22	122	kredit	2020-03-02 00:00:00	50000
34	15	115	kredit	2020-03-02 00:00:00	200000
35	21	121	kredit	2020-03-03 00:00:00	100000
36	16	116	debit	2020-03-03 00:00:00	100000
37	20	120	kredit	2020-03-04 00:00:00	75000
38	17	117	debit	2020-03-04 00:00:00	175000
39	19	119	kredit	2020-03-05 00:00:00	250000
40	14	114	kredit	2020-03-05 00:00:00	150000
41	23	123	debit	2020-03-06 00:00:00	150000
42	14	114	debit	2020-03-06 00:00:00	350000
43	22	122	debit	2020-03-07 00:00:00	250000
44	15	115	debit	2020-03-07 00:00:00	50000
45	21	121	debit	2020-03-08 00:00:00	200000
46	16	116	kredit	2020-03-08 00:00:00	50000
47	20	120	debit	2020-03-09 00:00:00	100000
48	17	117	kredit	2020-03-09 00:00:00	200000
49	19	119	debit	2020-03-10 00:00:00	300000
50	18	118	kredit	2020-03-10 00:00:00	250000