

```
C:\Windows\system32\cmd.e X + v
Microsoft Windows [Version 10.0.22621.1555]
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C:\Users\NurAgung>cd\

C:\>cd axmppmysql\in
The system cannot find the path specified.

C:\>cd xampp\mysql\in
The system cannot find the path specified.

C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.27-MariaDB mariadb.org binary distribution

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

MariaDB [(none)]> create dataase bank;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'dataase bank' at line 1
MariaDB [(none)]> create database bank;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use bank
Database changed
MariaDB [bank]> create table rekening(
-> Id_Nasabah varchar(6) primary key not null,,
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 2
MariaDB [bank]> create table rekening(
```

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MariaDB [bank]> create table rekening(
-> Id_Nasabah varchar(6) primary key not null,
-> Nomo_Rekening bigint(12) not null,
-> Saldo bigint(100) not null,
-> Kode_cabang varchar(6) not null);
Query OK, 0 rows affected (0.181 sec)

MariaDB [bank]> Create table Nasabah(
-> Id_Nasabah varchar(6) primary key not null,
-> Nama_Nasabah Varchar(20) not null,
-> Alamat_Nasabah Varchar(30) not null);
Query OK, 0 rows affected (0.295 sec)

MariaDB [bank]> Create table Cabang(
-> Kode_cabang Varchar(6) primary key not null,
-> Nama_cabang Varchar(6) not null,
-> Kota Varchar(12) not null);
Query OK, 0 rows affected (0.250 sec)

MariaDB [bank]> Insert into rekening values
-> ('AA001','001000123','20000000'),
-> Insert into rekening values;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'Insert into rekening values' at line 3
MariaDB [bank]> Insert into rekening values
-> ('AA001','001000123','20000000','A123'),
-> ('AB001','002000123','5000000','B123'),
-> ('AB001','002000123','5000000','B123');;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 4
MariaDB [bank]> Insert into rekening values
-> ('AA001','001000123','20000000','A123'),
-> ('AB002','002000123','5000000','B123'),
-> ('CC003','003000123','75000000','C123'),
-> ('CD004','004000123','20000000','D123'),
-> ('DD004','005000123','1500000','E123');
Query OK, 5 rows affected (0.247 sec)
```

```
C:\Windows\system32\cmd.e X + v
Query OK, 5 rows affected (0.247 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [bank]> INSERT INTO NASABAH VALUES
-> ('AA001','Rudi','Jl.Sepat'),
-> ('AB002','Yuni','Jl.Baung'),
-> ('CC003','Hani','Jl.Gurame'),
-> ('CD004','Kiki','Jl.Nila'),
-> ('CD003','Kiki','Jl.Nila');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 6
MariaDB [bank]> INSERT INTO NASABAH VALUES
-> ('AA001','Rudi','Jl.Sepat'),
-> ('AB002','Yuni','Jl.Baung'),
-> ('CC003','Hani','Jl.Gurame'),
-> ('CD004','Kiki','Jl.Nila'),
-> ('DD005','Lala','Jl.Mujair');
Query OK, 5 rows affected (0.087 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [bank]> INSERT INTO Cabang VALUES
-> ('A123','JKT01','jakarta Pusat'),
-> ('B123','JKT02','jakarta Selatan'),
-> ('C123','BD001','Bandung'),
-> ('D123','SBY01','Surabaya'),
-> ('E123','DPK01','Depok');
Query OK, 5 rows affected, 2 warnings (0.137 sec)
Records: 5 Duplicates: 0 Warnings: 2

MariaDB [bank]> Select*from rekening;
+-----+-----+-----+-----+
| Id_Nasabah | Nomo_Rekening | Saldo | Kode_cabang |
+-----+-----+-----+-----+
| AA001 | 1000123 | 20000000 | A123 |
| AB002 | 2000123 | 5000000 | B123 |
| CC003 | 3000123 | 75000000 | C123 |
| CD004 | 4000123 | 20000000 | D123 |
+-----+-----+-----+-----+
```

```
C:\Windows\system32\cmd.e X + v
MariaDB [bank]> Select*from rekening;
+-----+-----+-----+-----+
| Id_Nasabah | Nomo_Rekening | Saldo | Kode_cabang |
+-----+-----+-----+-----+
| AA001 | 1000123 | 20000000 | A123 |
| AB002 | 2000123 | 5000000 | B123 |
| CC003 | 3000123 | 75000000 | C123 |
| CD004 | 4000123 | 20000000 | D123 |
| DD004 | 5000123 | 1500000 | E123 |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [bank]> Select*from nassabah;
ERROR 1146 (42S02): Table 'bank.nassabah' doesn't exist
MariaDB [bank]> Select*from nasabah;
+-----+-----+-----+
| Id_Nasabah | Nama_Nasabah | Alamat_Nasabah |
+-----+-----+-----+
| AA001 | Rudi | Jl.Sepat |
| AB002 | Yuni | Jl.Baung |
| CC003 | Hani | Jl.Gurame |
| CD004 | Kiki | Jl.Nila |
| DD005 | Lala | Jl.Mujair |
+-----+-----+-----+
5 rows in set (0.000 sec)

MariaDB [bank]> Select*from cabang;
+-----+-----+-----+
| Kode_cabang | Nama_cabang | Kota |
+-----+-----+-----+
| A123 | JKT01 | jakarta Pusa |
| B123 | JKT02 | jakarta Sela |
| C123 | BD001 | Bandung |
| D123 | SBY01 | Surabaya |
| E123 | DPK01 | Depok |
+-----+-----+-----+
5 rows in set (0.000 sec)
```

Tampilkan **id_nasabah**, **nama_nasabah**, dan **saldo**

Caranya:

Tentukan tabel mana saja yang dibutuhkan

(id_nasabah dan nama_nasabah terdapat pada tabel nasabah sedangkan saldo terdapat pada tabel rekening)

Perhatikan relasi dari tabel tersebut.

Tabel nasabah dan rekening dihubungkan oleh atribut id_nasabah

Perintah SQL:

```
SELECT nasabah.Id_nasabah, nasabah.nama_nasabah, rekening.saldo FROM nasabah, rekening  
WHERE nasabah.id_nasabah=rekening.id_nasabah;
```

Hasil:

```
MariaDB [bank]> SELECT nasabah.id_nasabah, nasabah.nama_nasabah, rekening.saldo FROM nasabah, rekening WHERE nasabah.id_nasabah=rekening.id_nasabah;
```

id_nasabah	nama_nasabah	saldo
AA001	Rudi	20000000
AB002	Yuni	5000000
CC003	Hani	75000000
CD004	Kiki	20000000

```
4 rows in set (0.094 sec)
```

Tampilkan **nomor_rekening** dan **nama_cabang**

```
SELECT rekening.nomor_rekening, cabang.nama_cabang FROM rekening, cabang WHERE  
rekening.kode_cabang = cabang.kode_cabang;
```

Hasil:

```
MariaDB [bank]> SELECT rekening.nomor_rekening, cabang.nama_cabang FROM rekening, cabang WHERE rekening.kode_cabang=cabang.kode_cabang;
```

nomor_rekening	nama_cabang
1000123	JKT01
2000123	JKT02
3000123	BD001
4000123	SBY01
5000123	DPK01

```
5 rows in set (0.001 sec)
```

```
MariaDB [bank]> |
```

Tampilkan **nama_nasabah**, **alamat_nasabah**, dan **nomor rekening**

```
SELECT Nasabah>Nama_nasabah, Alamat_nasabah, Rekening.Nomor Rekening FROM Nasabah,  
Rekening WHERE Nasabah.Id_nasabah = Rekening.Id_nasabah;
```

Hasil:

```
MariaDB [bank]> SELECT nasabah.nama_nasabah, nasabah.alamat_nasabah, rekening.nomor_rekening FROM nasabah, rekening WHERE nasabah.id_nasabah=rekening.id_nasabah;
```

nama_nasabah	alamat_nasabah	nomor_rekening
Rudi	Jl.Sepat	1000123
Yuni	Jl.Baung	2000123
Hani	Jl.Gurame	3000123
Kiki	Jl.Nila	4000123

```
4 rows in set (0.001 sec)
```

```
MariaDB [bank]> |
```

Tampilkan **nomor_rekening** dan **kota**

```
SELECT Rekening.Nomor_rekening, Cabang.Kota FROM Rekening, Cabang WHERE  
Rekening.Kode_Cabang = Cabang.Kode_Cabang;
```

Hasil:

```
MariaDB [bank]> SELECT rekening.nomor_rekening, cabang.kota FROM rekening, cabang WHERE rekening.kode_cabang=cabang.kode_cabang;
```

nomor_rekening	kota
1000123	jakarta Pusa
2000123	jakarta Sela
3000123	Bandung
4000123	Surabaya
5000123	Depok

```
5 rows in set (0.001 sec)
```

1. Tampilkan nama nasabah yang saldonya di atas 20 juta dan rekeningnya tercatat di kota bandung..!

- a. Tentukan tabel yang akan digunakan. (nasabah, rekening, cabang)
- b. Cari atribut penghubung antar tabel. (nasabah dengan rekening dihubungkan oleh atribut id_nasabah, sedangkan rekening dan cabang dihubungkan oleh atribut kode_cabang).
- c. Buat query SQL

```
SELECT nasabah.nama_nasabah FROM cabang, rekening, nasabah WHERE  
nasabah.id_nasabah = rekening.id_nasabah AND rekening.kode_cabang =  
cabang.kode_cabang AND saldo > 20000000 AND kota = 'bandung';
```

2. Tampilkan nama_nasabah, saldo, dan kota..!

```
SELECT Nasabah>Nama_nasabah, Rekening.Saldo, Cabang.Kota FROM Nasabah,  
Rekening, Cabang WHERE Nasabah.Id_nasabah = Rekening.Id_nasabah AND  
Rekening.Kode_cabang = Cabang.Kode_cabang;
```

3. Tampilkan id_nasabah dan nomor_rekening yang
cabangnya berada di Surabaya..!

```
SELECT Nasabah.Id_Nasabah, Rekening.Nomor_rekening FROM Nasabah, Rekening,  
Cabang WHERE Nasabah.Id_nasabah = Rekening.Id_nasabah AND  
Rekening.Kode_cabang = Cabang.Kode_cabang AND Kota = "Surabaya";
```

4. Tampilkan tampilkan nama nasabah yang saldonya di atas 5.000.000 dan berada di cabang Jakarta Pusat..!

```
SELECT Nasabah>Nama_nasabah FROM Nasabah, Rekening, Cabang WHERE  
Nasabah.Id_Nasabah = Rekenig.Id_Rekening AND Rekening>Kode_Cabang = Cabang.  
Kode_Cabang AND Saldo > 5000000 AND Kota = "Jakarta Pusat";
```

5. Tampilkan nama nasabah yang tinggal di Jl.Gurame dan yang cabangnya di kota Depok..!

```
SELECT Nasabah>Nama_Nasabah FROM Nasabah, Rekening, Cabang WHERE  
Nasabah.Id_Nasabah = Rekenig.Id_Rekening AND Rekening.Kode_Cabang = Cabang.  
Kode_Cabang AND Alamat_nasabah = "Jl. Gurame" AND Kota = "Depok";
```