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mysql> #1. Buat db dengan nama modul4

mysql> create db modul4

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'db modul4' at line 1

mysql> create database modul4;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| modul3 |

| modul4 |

| mysql |

| performance\_schema |

| sys |

+--------------------+

6 rows in set (0.00 sec)

mysql> #2. Pada database tersebut buatlah tabel :

mysql> - Mahasiswa, dengan field : NIM, nama, alamat, no\_telp (dengan NIM sebagai pimary key);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '- Mahasiswa, dengan field : NIM, nama, alamat, no\_telp (dengan NIM sebagai pimar' at line 1

mysql> - Buku, dengan field : id\_buku, judul\_buku, penerbit, tahun (id\_buku sebagai primary key);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '- Buku, dengan field : id\_buku, judul\_buku, penerbit, tahun (id\_buku sebagai pri' at line 1

mysql> - Pinjam, dengan field : id\_pinjam, NIM, id\_buku (id\_pinjam sebagai primary key, NIM dan

-> ^C

mysql> #2. Pada database teresebut buatlah tabelnya

mysql> use modul4;

Database changed

mysql> select database();

+------------+

| database() |

+------------+

| modul4 |

+------------+

1 row in set (0.00 sec)

mysql> create table mahasiswa(

-> nim int primary key,

-> nama varchar(20),

-> alamat varchar(50),

-> no\_telp int);

Query OK, 0 rows affected (0.04 sec)

mysql> create table buku(

-> id\_buku int primary key,

-> judul\_buku varchar

-> ^C

mysql> create table buku(

-> id\_buku int primary key,

-> judul\_buku varchar(30),

-> penerbit varchar(20),

-> tahun smallint)

-> engine=innerDB;

ERROR 1286 (42000): Unknown storage engine 'innerDB'

mysql> create table buku(

-> id\_buku int primary key,

-> judul\_buku varchar(30),

-> penerbit varchar(20),

-> tahun smallint)

-> engine=innoDB;

Query OK, 0 rows affected (0.03 sec)

mysql> create table pinjam(

-> id\_pinjam int primary key,

-> nim int,

-> id\_buku int,

-> foreign key (id\_buku) references buku (id\_buku) on update cascade on delete cascade,

-> foreign key (nim) references mahasiswa (nim) on update cascade on delete cascade)

->

-> engine=InnoDB;

Query OK, 0 rows affected (0.06 sec)

mysql> alter table mahasiswa engine=InnoDB;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> show tables;

+------------------+

| Tables\_in\_modul4 |

+------------------+

| buku |

| mahasiswa |

| pinjam |

+------------------+

3 rows in set (0.00 sec)

mysql> show tables status;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'status' at line 1

mysql> show tables status like mahasiswa;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'status like mahasiswa' at line 1

mysql> show tables status like 'mahasiswa';

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'status like 'mahasiswa'' at line 1

mysql> show table status like 'mahasiswa';

+-----------+--------+---------+------------+------+----------------+-------------+-----------------+--------------+-----------+----------------+---------------------+-------------+------------+--------------------+----------+----------------+---------+

| Name | Engine | Version | Row\_format | Rows | Avg\_row\_length | Data\_length | Max\_data\_length | Index\_length | Data\_free | Auto\_increment | Create\_time | Update\_time | Check\_time | Collation | Checksum | Create\_options | Comment |

+-----------+--------+---------+------------+------+----------------+-------------+-----------------+--------------+-----------+----------------+---------------------+-------------+------------+--------------------+----------+----------------+---------+

| mahasiswa | InnoDB | 10 | Dynamic | 0 | 0 | 16384 | 0 | 0 | 0 | NULL | 2024-09-18 07:36:47 | NULL | NULL | utf8mb4\_0900\_ai\_ci | NULL | | |

+-----------+--------+---------+------------+------+----------------+-------------+-----------------+--------------+-----------+----------------+---------------------+-------------+------------+--------------------+----------+----------------+---------+

1 row in set (0.02 sec)

mysql> #3. Isikan data masing-masing tabel dengan tiga baris data

mysql> insert into mahasiswa values

-> (11223344, 'Ilham Budiyanto', 'jl.burung no.22', 08123456),

-> (11223345, 'Kaizen Afwan', 'jl. aneh no.35', 08223456),

-> (11223346, 'Joseph Rifandi', 'jl. jalan no.54', 0832546);

Query OK, 3 rows affected (0.07 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from mahasiswa;

+----------+-----------------+-----------------+---------+

| nim | nama | alamat | no\_telp |

+----------+-----------------+-----------------+---------+

| 11223344 | Ilham Budiyanto | jl.burung no.22 | 8123456 |

| 11223345 | Kaizen Afwan | jl. aneh no.35 | 8223456 |

| 11223346 | Joseph Rifandi | jl. jalan no.54 | 832546 |

+----------+-----------------+-----------------+---------+

3 rows in set (0.00 sec)

mysql> insert into buku values

-> (12345, 'Mencari uang', 'David Alfito', 2001),

-> (22345, 'Sunyi kesepian', 'Galan Christianto', 2013),

-> (32345, 'Panutan hidup', 'Dimas Aditya', 2010);

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from buku;

+---------+----------------+-------------------+-------+

| id\_buku | judul\_buku | penerbit | tahun |

+---------+----------------+-------------------+-------+

| 12345 | Mencari uang | David Alfito | 2001 |

| 22345 | Sunyi kesepian | Galan Christianto | 2013 |

| 32345 | Panutan hidup | Dimas Aditya | 2010 |

+---------+----------------+-------------------+-------+

3 rows in set (0.00 sec)

mysql> insert into pinjam values

-> (98765, 11223344, 12345)

-> ^C

mysql> insert into pinjam values

-> (98765, 11223344, 12345),

-> (88765, 11223344, 22345),

-> (78765, 11223346, 32345);

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from pinjam;

+-----------+----------+---------+

| id\_pinjam | nim | id\_buku |

+-----------+----------+---------+

| 78765 | 11223346 | 32345 |

| 88765 | 11223344 | 22345 |

| 98765 | 11223344 | 12345 |

+-----------+----------+---------+

3 rows in set (0.00 sec)

mysql> #4. Buat tabel baru dengan nama pinja\_copy dari tabel pinjam

mysql> create table pinjam\_copy as

-> select \* from pinjam;

Query OK, 3 rows affected (0.04 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> show tables;

+------------------+

| Tables\_in\_modul4 |

+------------------+

| buku |

| mahasiswa |

| pinjam |

| pinjam\_copy |

+------------------+

4 rows in set (0.00 sec)

mysql> #5. Ubah nama pinjam\_copy mennjadi kembali

mysql> alter table pinjam\_copy rename kembali;

Query OK, 0 rows affected (0.07 sec)

mysql> show tables;

+------------------+

| Tables\_in\_modul4 |

+------------------+

| buku |

| kembali |

| mahasiswa |

| pinjam |

+------------------+

4 rows in set (0.00 sec)

mysql> #6. alter table kembali

mysql> #6. Tambahkan kolom tgl\_kembali pada tabel kembali

mysql> alter table kembali

-> add tgl\_kembali date;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from kembali;

+-----------+----------+---------+-------------+

| id\_pinjam | nim | id\_buku | tgl\_kembali |

+-----------+----------+---------+-------------+

| 78765 | 11223346 | 32345 | NULL |

| 88765 | 11223344 | 22345 | NULL |

| 98765 | 11223344 | 12345 | NULL |

+-----------+----------+---------+-------------+

3 rows in set (0.00 sec)

mysql> truncate table kembali;

Query OK, 0 rows affected (0.04 sec)

mysql> select \* from kembali;

Empty set (0.00 sec)

mysql> #8. Isikan tbl kembali dengan 3 baris data dengan perintah load data.

mysql> load data infile 'modul4.txt' into table kembali fields terminated by '\t';

Query OK, 3 rows affected, 2 warnings (0.06 sec)

Records: 3 Deleted: 0 Skipped: 0 Warnings: 2

mysql> select \* from kembali;

+-----------+----------+---------+-------------+

| id\_pinjam | nim | id\_buku | tgl\_kembali |

+-----------+----------+---------+-------------+

| 78765 | 11223346 | 32345 | 2024-11-06 |

| 88765 | 11223344 | 22345 | 2024-10-01 |

| 98765 | 11223344 | 12345 | 2024-09-09 |

+-----------+----------+---------+-------------+

3 rows in set (0.00 sec)

mysql> #9. Tambahkan tbl kembali dengan dua baris data dengan perintah insert

mysql> insert into kembali values

-> (68765, 11223345, 42345, '2023-11-06'),

-> (58765, 11223344, 12345, '2022-12-12');

Query OK, 2 rows affected (0.02 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from kembali;

+-----------+----------+---------+-------------+

| id\_pinjam | nim | id\_buku | tgl\_kembali |

+-----------+----------+---------+-------------+

| 78765 | 11223346 | 32345 | 2024-11-06 |

| 88765 | 11223344 | 22345 | 2024-10-01 |

| 98765 | 11223344 | 12345 | 2024-09-09 |

| 68765 | 11223345 | 42345 | 2023-11-06 |

| 58765 | 11223344 | 12345 | 2022-12-12 |

+-----------+----------+---------+-------------+

5 rows in set (0.00 sec)