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Responsi 2

1. **Membuat Database Musik show**
   MariaDB [(none)]> create database musikshow;
   Query OK, 1 row affected (0.011 sec)

   MariaDB [(none)]> use musikshow;
   Database changed

   ```
   MariaDB [(none)]> create database musikshow;
   Query OK, 1 row affected (0.011 sec)

   MariaDB [(none)]> use musikshow;
   Database changed
   MariaDB [musikshow]>
   ```

2. **Buat Tabel**
   MariaDB [musikshow]> CREATE TABLE Penonton (
       ->   id_Penonton char(3) PRIMARY KEY,
       ->   nama_penonton VARCHAR(100) NOT NULL,
       ->   no_telefon int(50)
       ->);
   Query OK, 0 rows affected (0.021 sec)

   MariaDB [musikshow]> CREATE TABLE Tiket (
       ->   id_Tiket char(3) PRIMARY KEY,
       ->   jenis_Tiket VARCHAR(100) NOT NULL,
       ->   harga int(10)
       ->);
   Query OK, 0 rows affected (0.009 sec)

   MariaDB [musikshow]> CREATE TABLE Pembelian (
       ->   id_pembelian varchar(3) PRIMARY KEY,
       ->   id_Penonton char(3) NOT NULL,
       ->   id_Tiket char(3) NOT NULL,
       ->   jumlah_tiket int (5),
       ->   total_harga int(10),

->   FOREIGN KEY (id_Penonton) REFERENCES Penonton(id_Penonton),

          ->   FOREIGN KEY (id_Tiket) REFERENCES Tiket(id_Tiket)

          ->);

Query OK, 0 rows affected (0.022 sec)

```
MariaDB [musikshow]> CREATE TABLE Penonton (
    ->    id_Penonton char(3) PRIMARY KEY,
    ->    nama_penonton VARCHAR(100) NOT NULL,
    ->    no_telefon int(50)
    -> );
Query OK, 0 rows affected (0.021 sec)

MariaDB [musikshow]> CREATE TABLE Tiket (
    ->    id_Tiket char(3) PRIMARY KEY,
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Query OK, 0 rows affected (0.009 sec)

MariaDB [musikshow]> CREATE TABLE Pembelian (
    ->    id_pembelian varchar(3) PRIMARY KEY,
    ->    id_Penonton char(3) NOT NULL,
    ->    id_Tiket char(3) NOT NULL,
    ->    jumlah_tiket int (5),
    ->    total_harga int(10),
    ->    FOREIGN KEY (id_Penonton) REFERENCES Penonton(id_Penonton),
    ->    FOREIGN KEY (id_Tiket) REFERENCES Tiket(id_Tiket)
    -> );
Query OK, 0 rows affected (0.022 sec)
```

3. **Insert Values**

   MariaDB [musikshow]> INSERT INTO Penonton (id_Penonton, nama_penonton, no_telefon) VALUES

       -> ('PN1', 'Aufa Algifari', 085947647645),

       -> ('PN2', 'Almira Azaria', 081234566899),

       -> ('PN3', 'Dhini Aqiila', 087654321234);

   Query OK, 3 rows affected, 3 warnings (0.013 sec)

   Records: 3 Duplicates: 0 Warnings: 3

   MariaDB [musikshow]> INSERT INTO Tiket (id_tiket, jenis_tiket, harga) VALUES

       -> ('TK1', 'Festival', 250000),

       -> ('TK2', 'Premium', 500000),

       -> ('TK3', 'VIP', 1000000);

   Query OK, 3 rows affected (0.012 sec)

   Records: 3 Duplicates: 0 Warnings: 0

   MariaDB [musikshow]> INSERT INTO Pembelian (id_pembelian, id_penonton, id_tiket, jumlah_tiket, total_harga) VALUES

       -> ('PM1', 'PN1', 'TK2', 10, 5000000),

       -> ('PM2', 'PN2', 'TK3', 20, 20000000),

       -> ('PM3', 'PN3', 'TK1', 15, 3750000);

   Query OK, 3 rows affected (0.013 sec)

   Records: 3 Duplicates: 0 Warnings: 0

```
MariaDB [musikshow]> INSERT INTO Penonton (id_Penonton, nama_penonton, no_telefon) VALU
ES
    -> ('PN1', 'Aufa Algifari', 085947647645),
    -> ('PN2', 'Almira Azaria', 081234566899),
    -> ('PN3', 'Dhini Aqiila', 087654321234);
Query OK, 3 rows affected, 3 warnings (0.013 sec)
Records: 3  Duplicates: 0  Warnings: 3

MariaDB [musikshow]> INSERT INTO Tiket (id_tiket, jenis_tiket, harga) VALUES
    -> ('TK1', 'Festival', 250000),
    -> ('TK2', 'Premium', 500000),
    -> ('TK3', 'VIP', 1000000);
Query OK, 3 rows affected (0.012 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [musikshow]> INSERT INTO Pembelian (id_pembelian, id_penonton, id_tiket, jumlah
_tiket, total_harga) VALUES
    -> ('PM1', 'PN1', 'TK2', 10, 5000000),
    -> ('PM2', 'PN2', 'TK3', 20, 20000000),
    -> ('PM3', 'PN3', 'TK1', 15, 3750000);
Query OK, 3 rows affected (0.013 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

4. **Create Table History Pembelian**

MariaDB [musikshow]> CREATE TABLE history_pembelian (
    -> id_pembelian varchar(3) NOT NULL,
    -> id_Penonton char(3) NOT NULL,
    -> id_Tiket char(3) NOT NULL,
    -> jumlah_tiket int (5),
    -> total_harga int(10)
    ->);
Query OK, 0 rows affected (0.018 sec)

```
MariaDB [musikshow]> CREATE TABLE history_pembelian (
    ->      id_pembelian varchar(3) NOT NULL,
    ->      id_Penonton char(3) NOT NULL,
    ->      id_Tiket char(3) NOT NULL,
    ->      jumlah_tiket int (5),
    ->      total_harga int(10)
    -> );
Query OK, 0 rows affected (0.018 sec)
```

5. **Membuat Triger**

MariaDB [musikshow]> DELIMITER $$
MariaDB [musikshow]> CREATE TRIGGER catatan_pembelian
    -> BEFORE DELETE ON Pembelian
    -> FOR EACH ROW
    -> BEGIN

-> INSERT INTO history_pembelian (
-> id_pembelian,
-> id_Penonton,
-> id_Tiket,
-> jumlah_tiket,
-> total_harga)
-> VALUES (
-> OLD.id_pembelian,
-> OLD.id_Penonton,
-> OLD.id_Tiket,
-> OLD.jumlah_tiket,
-> OLD.total_harga);
-> END$$
Query OK, 0 rows affected (0.011 sec)

MariaDB [musikshow]> DELIMITER ;

```
MariaDB [musikshow]> DELIMITER $$
MariaDB [musikshow]> CREATE TRIGGER catatan_pembelian
    -> BEFORE DELETE ON Pembelian
    -> FOR EACH ROW
    -> BEGIN
    -> INSERT INTO history_pembelian (
    -> id_pembelian,
    -> id_Penonton,
    -> id_Tiket,
    -> jumlah_tiket,
    -> total_harga)
    -> VALUES (
    -> OLD.id_pembelian,
    -> OLD.id_Penonton,
    -> OLD.id_Tiket,
    -> OLD.jumlah_tiket,
    -> OLD.total_harga);
    -> END$$
Query OK, 0 rows affected (0.011 sec)

MariaDB [musikshow]> DELIMITER ;
MariaDB [musikshow]> |
```

6. **Delete data Pembelian PM3**

Menghapus

MariaDB [musikshow]> DELETE FROM Pembelian WHERE id_pembelian = 'PM3';

Query OK, 1 row affected (0.007 sec)

```
MariaDB [musikshow]> DELETE FROM Pembelian WHERE id_pembelian = 'PM3';
Query OK, 1 row affected (0.007 sec)
```

Membuktikan Tabel Triger History_pembelian

MariaDB [musikshow]> select * from History_pembelian;

id_pembelian	id_Penonton	id_Tiket	jumlah_tiket	total_harga
PM3	PN3	TK1	15	3750000

1 row in set (0.000 sec)

```
MariaDB [musikshow]> select * from History_pembelian;
+--------------+-------------+----------+--------------+-------------+
| id_pembelian | id_Penonton | id_Tiket | jumlah_tiket | total_harga |
+--------------+-------------+----------+--------------+-------------+
| PM3          | PN3         | TK1      |           15 |     3750000 |
+--------------+-------------+----------+--------------+-------------+
1 row in set (0.000 sec)
```

7. **Buat Select Join**

MariaDB [musikshow]> SELECT

-> P.nama_penonton,

-> P.no_telefon,

-> PM.jumlah_tiket,

-> PM.total_harga

-> FROM

-> Penonton P

-> JOIN

-> Pembelian PM ON P.id_Penonton = PM.id_Penonton

-> JOIN

-> Tiket T ON PM.id_Tiket = T.id_Tiket

-> WHERE

-> T.jenis_Tiket = 'VIP'

-> AND

-> PM.jumlah_tiket > 15;

nama_penonton	no_telefon	jumlah_tiket	total_harga

```
+---------------+------------+--------------+-------------+
| Almira Azaria | 2147483647 |          20 |    20000000 |
+---------------+------------+--------------+-------------+
```
1 row in set (0.011 sec)

```
MariaDB [musikshow]> SELECT
    -> P.nama_penonton,
    -> P.no_telefon,
    -> PM.jumlah_tiket,
    -> PM.total_harga
    -> FROM
    -> Penonton P
    -> JOIN
    -> Pembelian PM ON P.id_Penonton = PM.id_Penonton
    -> JOIN
    -> Tiket T ON PM.id_Tiket = T.id_Tiket
    -> WHERE
    -> T.jenis_Tiket = 'VIP'
    -> AND
    -> PM.jumlah_tiket > 15;
+---------------+------------+--------------+-------------+
| nama_penonton | no_telefon | jumlah_tiket | total_harga |
+---------------+------------+--------------+-------------+
| Almira Azaria | 2147483647 |           20 |    20000000 |
+---------------+------------+--------------+-------------+
1 row in set (0.011 sec)
```

8. Buat Select Join
    MariaDB [musikshow]> SELECT
       -> P.nama_penonton,
       -> P.no_telefon,
       -> T.jenis_Tiket,
       -> PM.jumlah_tiket,
       -> T.harga,
       -> PM.total_harga
       -> FROM
       -> Penonton P
       -> JOIN
       -> Pembelian PM ON P.id_Penonton = PM.id_Penonton
       -> JOIN
       -> Tiket T ON PM.id_Tiket = T.id_Tiket
       -> WHERE
       -> PM.total_harga < 17000000;

```
+---------------+------------+-------------+--------------+--------+-------------+
| nama_penonton | no_telefon | jenis_Tiket | jumlah_tiket | harga  | total_harga |
+---------------+------------+-------------+--------------+--------+-------------+
| Aufa Algifari | 2147483647 | Premium     |           10 | 500000 |     5000000 |
+---------------+------------+-------------+--------------+--------+-------------+
```
1 row in set (0.000 sec)

MariaDB [musikshow]>

```
MariaDB [musikshow]> SELECT
    -> P.nama_penonton,
    -> P.no_telefon,
    -> T.jenis_Tiket,
    -> PM.jumlah_tiket,
    -> T.harga,
    -> PM.total_harga
    -> FROM
    -> Penonton P
    -> JOIN
    -> Pembelian PM ON P.id_Penonton = PM.id_Penonton
    -> JOIN
    -> Tiket T ON PM.id_Tiket = T.id_Tiket
    -> WHERE
    -> PM.total_harga < 17000000;
+---------------+------------+-------------+--------------+--------+-------------+
| nama_penonton | no_telefon | jenis_Tiket | jumlah_tiket | harga  | total_harga |
+---------------+------------+-------------+--------------+--------+-------------+
| Aufa Algifari | 2147483647 | Premium     |           10 | 500000 |     5000000 |
+---------------+------------+-------------+--------------+--------+-------------+
1 row in set (0.000 sec)
```

9. Buat User dan Beri Akses

Buat user

MariaDB [musikshow]> CREATE USER 'admin'@'localhost' IDENTIFIED BY 'admin';

Query OK, 0 rows affected (0.006 sec)

```
MariaDB [musikshow]> CREATE USER 'admin'@'localhost' IDENTIFIED BY 'admin';
Query OK, 0 rows affected (0.006 sec)
```

Berikan hak akses

MariaDB [musikshow]> GRANT INSERT ON music_show.penonton TO 'admin'@'localhost';

Query OK, 0 rows affected (0.004 sec)

```
MariaDB [musikshow]> GRANT INSERT ON musikshow.penonton TO 'admin'@'localhost';
Query OK, 0 rows affected (0.004 sec)
```

FLUSH

MariaDB [musikshow]> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.001 sec)

```
MariaDB [musikshow]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)
```

10. **Insert Pakai User Admin**

Login

LEGION S7@LAPTOP-BJV0VQE3 c:\xampp

mysql -u admin -p

Enter password: *****

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 12

```
LEGION S7@LAPTOP-BJV0VQE3 c:\xampp
# mysql -u admin -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 12
Server version: 10.4.32-MariaDB mariadb.org binary distribution
```

Insert

MariaDB [musikshow]> INSERT INTO Penonton (id_Penonton, nama_penonton, no_telefon) VALUES

   -> ('PN4', 'Naila Alifatul', 084759086548);

Query OK, 1 row affected, 1 warning (0.006 sec)

```
MariaDB [musikshow]> INSERT INTO Penonton (id_Penonton, nama_penonton, no_telefon) VALU
ES
    -> ('PN4', 'Naila Alifatul', 084759086548);
Query OK, 1 row affected, 1 warning (0.006 sec)
```

Pengecekan (Saya Pakai User Root untuk cek)

```
MariaDB [musikshow]> select * from penonton;
+-------------+----------------+-------------+
| id_Penonton | nama_penonton  | no_telefon  |
+-------------+----------------+-------------+
| PN1         | Aufa Algifari  | 2147483647  |
| PN2         | Almira Azaria  | 2147483647  |
| PN3         | Dhini Aqiila   | 2147483647  |
| PN4         | Naila Alifatul | 2147483647  |
+-------------+----------------+-------------+
4 rows in set (0.000 sec)
```

11. **Hapus User Admin**

REVOKE

MariaDB [musikshow]> REVOKE INSERT ON musikshow.penonton FROM 'admin'@'localhost';

Query OK, 0 rows affected (0.005 sec)

```
MariaDB [musikshow]> REVOKE INSERT ON musikshow.penonton FROM 'admin'@'localhost';
Query OK, 0 rows affected (0.005 sec)
```

FLUSH

MariaDB [musikshow]> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.000 sec)

```
MariaDB [musikshow]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)
```