

Nama : RAFFA AL HABSYI MULYA

Kelas : XI RPL 1

1. Berikut contoh hasil proses database siswa pada lampiran di bawah ini:

```
Command Prompt - mysql -u X Command Prompt - mysql -u X Command Prompt - mysql -u X Command Prompt - mysql -u X
Microsoft Windows [Version 10.0.2610.1725]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user\cmd C:\xampp\mysql\bin>
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 126
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database ecommerce_atk;
Query OK, 1 row affected (0.002 sec)

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

MariaDB [ecommerce_atk]> CREATE TABLE categories (
    >     category_id INT AUTO_INCREMENT PRIMARY KEY,
    >     category_name VARCHAR(100) NOT NULL,
    > );
Query OK, 0 rows affected (0.012 sec)

MariaDB [ecommerce_atk]> CREATE TABLE products (
    >     product_id INT AUTO_INCREMENT PRIMARY KEY,
    >     category_id INT NOT NULL,
    >     product_name VARCHAR(150) NOT NULL,
    >     description TEXT,
    >     price DECIMAL(10,2) NOT NULL,
    >     stock INT NOT NULL,
    >     FOREIGN KEY (category_id) REFERENCES categories(category_id),
    > );
Query OK, 0 rows affected (0.012 sec)

MariaDB [ecommerce_atk]> CREATE TABLE customers (
    >     customer_id INT AUTO_INCREMENT PRIMARY KEY,
    >     name VARCHAR(100) NOT NULL,
    >     email VARCHAR(100) UNIQUE NOT NULL,
    >     phone VARCHAR(20),
    >     address TEXT
    > );
Query OK, 0 rows affected (0.03 sec)

MariaDB [ecommerce_atk]> CREATE TABLE orders (
    >     order_id INT AUTO_INCREMENT PRIMARY KEY,
    >     customer_id INT NOT NULL,
    >     order_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    >     status ENUM('pending','paid','shipped','cancelled') DEFAULT 'pending',
    >     total DECIMAL(12,2) NOT NULL,
    >     FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
    > );
Query OK, 0 rows affected (0.03 sec)

MariaDB [ecommerce_atk]> CREATE TABLE order_items (
    >     item_id INT AUTO_INCREMENT PRIMARY KEY,
    >     order_id INT NOT NULL,
    >     product_id INT NOT NULL,
    >     quantity INT NOT NULL,
    >     unit_price DECIMAL(12,2) NOT NULL,
    >     FOREIGN KEY (order_id) REFERENCES orders(order_id),
    >     FOREIGN KEY (product_id) REFERENCES products(product_id)
    > );
Query OK, 0 rows affected (0.038 sec)

MariaDB [ecommerce_atk]> CREATE TABLE payments (
    >     payment_id INT AUTO_INCREMENT PRIMARY KEY,
    >     order_id INT NOT NULL,
    >     payment_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    >     amount DECIMAL(12,2) NOT NULL,
    >     method ENUM('transfer','wallet','cod') DEFAULT 'transfer',
    >     FOREIGN KEY (order_id) REFERENCES orders(order_id)
    > );
Query OK, 0 rows affected (0.028 sec)

MariaDB [ecommerce_atk]> INSERT INTO categories (category_name) VALUES
    >     ('Pulpen Hitam'), ('Pulpen Hitam'), ('Buku Tulis'), ('Kertas'), ('Penghapus'), ('Spidol');
Query OK, 7 rows affected (0.007 sec)
Records: 7 Duplicates: 0 Warnings: 0

MariaDB [ecommerce_atk]> INSERT INTO products (category_id, product_name, description, price, stock) VALUES
    >     (1, 'Pulpen Pilot Biru', 'Pulpen tinta biru merk Pilot', 5000, 100),
    >     (2, 'Pulpen Gel Hitam', 'Pulpen gel hitam halus', 6000, 80),
    >     (3, 'Pulpen Gel Kuning', 'Pulpen gel kuning halus', 6000, 200),
    >     (4, 'Buku Gambar AU', 'Buku gambar isi 20 lembar', 8000, 120),
    >     (5, 'Kertas A4 Biasa', 'Kertas fotokopi isi 500 lembar', 45000, 50),
    >     (6, 'Penghapus Faber-Castell', 'Penghapus karet putih', 3000, 150),
    >     (7, 'Spidol Untuk Tulisan', 'Spidol untuk tulisan', 7000, 90);
Query OK, 7 rows affected (0.006 sec)
Records: 7 Duplicates: 0 Warnings: 0

MariaDB [ecommerce_atk]> INSERT INTO customers (name, email, phone, address) VALUES
    >     ('RAFFA AL HABSYI MULYA', 'RAFFA@gmail.com', '087863498956', 'Medan'),
    >     ('ZADA SYAIBUH HARAHAP', 'Zada@gmail.com', '083226346506', 'Jakarta'),
    >     ('SHALWAT NURUL HUDA', 'Shalwat@gmail.com', '083879926656', 'Surabaya'),
    >     ('MUHAMMAD ADLI RAIFI', 'Adli@gmail.com', '082347656456', 'Surabaya'),
    >     ('SHULTAN ABAR SIREGAR', 'Shultan@gmail.com', '08273856370', 'Makassar');
Query OK, 5 rows affected (0.006 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```

[Command Prompt - mysql -u root] Command Prompt - mysql -u root Command Prompt - mysql -u root
MariaDB [ecommerce_atk]> INSERT INTO orders (customer_id, status, total) VALUES
-> (1, 'pending', 17000),
-> (2, 'paid', 20000),
-> (3, 'paid', 48000),
-> (4, 'paid', 48000),
-> (5, 'paid', 15800);
Query OK, 5 rows affected (0.007 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [ecommerce_atk]> INSERT INTO order_items (order_id, product_id, quantity, subtotal) VALUES
-> (1, 3, 1, 7000), -- Raffa beli 1 buku tulis
-> (1, 4, 1, 20000), -- Zada beli 2 pulpen pilot
-> (2, 6, 1, 8800), -- Zada beli 1 buku gambar
-> (3, 6, 1, 8800), -- Randu beli 1 kertas
-> (3, 7, 1, 48000), -- Randu beli 100 lembar
-> (4, 6, 1, 8800), -- Adil beli 1 buku gambar
-> (4, 5, 1, 8800), -- Adil beli 1 kertas
-> (5, 7, 1, 8800), -- Sultan beli 1 buku gambar
-> (5, 8, 1, 15800), -- Shultan beli 1 spidol
Query OK, 11 rows affected (0.007 sec)
Records: 11 Duplicates: 0 Warnings: 0

MariaDB [ecommerce_atk]> INSERT INTO payments (order_id, amount, method) VALUES
-> (2, 20000, 'transfer'),
-> (3, 48000, 'transfer'),
-> (6, 15800, 'transfer')
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [ecommerce_atk]> SELECT p.product_id, p.product_name, c.category_name, p.price, p.stock
-> FROM products p
-> JOIN categories c ON p.category_id = c.category_id;
+-----+-----+-----+-----+-----+
| product_id | product_name | category_name | price | stock |
+-----+-----+-----+-----+-----+
| 1 | Pulpen Pilot Biru | Pulpen Biru | 5000.00 | 100 |
| 2 | Pulpen Gel Hitam | Pulpen Hitam | 6000.00 | 80 |
| 3 | Buku Tulis 40 Lembar | Buku Tulis | 7000.00 | 200 |
| 4 | Buku Gambar Anak | Buku Gambar | 45000.00 | 100 |
| 5 | Kertas A4 80gr | Kertas | 45000.00 | 50 |
| 6 | Penghapus Faber-Castell | Penghapus | 3000.00 | 150 |
| 7 | Spidol Whiteboard Hitam | Spidol | 7000.00 | 90 |
+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)

MariaDB [ecommerce_atk]> SELECT o.order_id, c.name, o.order_date, o.status, o.total
-> FROM orders o
-> JOIN customers c ON o.customer_id = c.customer_id;
+-----+-----+-----+-----+-----+
| order_id | name | order_date | status | total |
+-----+-----+-----+-----+-----+
| 1 | RAFFA AL HABSYI MULYA | 2025-10-16 15:26:18 | pending | 17000.00 |
| 2 | ZADA SYAKIB HARAHAP | 2025-10-16 15:26:18 | paid | 20000.00 |
| 3 | RANDU ALAMSYAH | 2025-10-16 15:26:18 | paid | 48000.00 |
| 4 | MUHAMMAD ADIL RAFFI | 2025-10-16 15:26:18 | pending | 60000.00 |
| 5 | SHULTAN ABBAR SIREGAR | 2025-10-16 15:26:18 | paid | 15800.00 |
+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [ecommerce_atk]> SELECT o.order_id, c.name, p.product_name, oi.quantity, oi.subtotal
-> FROM order_items oi
-> JOIN products p ON oi.product_id = p.product_id
-> JOIN orders o ON oi.order_id = o.order_id
-> JOIN customers c ON o.customer_id = c.customer_id;
+-----+-----+-----+-----+-----+
| order_id | name | product_name | quantity | subtotal |
+-----+-----+-----+-----+-----+
| 1 | RAFFA AL HABSYI MULYA | Pulpen Pilot Biru | 1 | 10000.00 |
| 1 | RAFFA AL HABSYI MULYA | Buku Tulis 40 Lembar | 1 | 7000.00 |
| 2 | ZADA SYAKIB HARAHAP | Pulpen Gel Hitam | 2 | 12000.00 |
| 2 | ZADA SYAKIB HARAHAP | Buku Gambar Anak | 1 | 8000.00 |
| 3 | RANDU ALAMSYAH | Penghapus Faber-Castell | 1 | 45000.00 |
| 3 | RANDU ALAMSYAH | Buku Tulis 40 Lembar | 1 | 7000.00 |
| 4 | MUHAMMAD ADIL RAFFI | Buku Gambar Anak | 1 | 8000.00 |
| 4 | MUHAMMAD ADIL RAFFI | Lapisan A4 80gr | 1 | 45000.00 |
| 5 | SHULTAN ABBAR SIREGAR | Buku Gambar Anak | 1 | 8000.00 |
| 5 | SHULTAN ABBAR SIREGAR | Spidol Whiteboard Hitam | 1 | 7000.00 |
+-----+-----+-----+-----+-----+
11 rows in set (0.001 sec)

MariaDB [ecommerce_atk]> SELECT p.payment_id, o.order_id, c.name, p.amount, p.method, p.payment_date
-> FROM payments p
-> JOIN orders o ON p.order_id = o.order_id
-> JOIN customers c ON o.customer_id = c.customer_id;
+-----+-----+-----+-----+-----+-----+
| payment_id | order_id | name | amount | method | payment_date |
+-----+-----+-----+-----+-----+-----+
| 1 | 2 | ZADA SYAKIB HARAHAP | 20000.00 | transfer | 2025-10-16 15:40:03 |
| 2 | 3 | RANDU ALAMSYAH | 48000.00 | transfer | 2025-10-16 15:40:03 |
| 3 | 5 | SHULTAN ABBAR SIREGAR | 15800.00 | transfer | 2025-10-16 15:40:03 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [ecommerce_atk]>

```