

Nama : RAFFA AL HABSYI MULYA

Kelas : XI RPL 1

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

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Microsoft Windows [Version 10.0.26100.6725]
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C:\Users\user>cd 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

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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 (0.030 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 (0.034 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','completed','cancelled') DEFAULT 'pending',
->  total DECIMAL(12,2) NOT NULL,
->  FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
-> );
Query OK, 0 rows affected (0.030 sec)

MariaDB [ecommerce_atk]> CREATE TABLE order_items (
->  order_item_id INT AUTO INCREMENT PRIMARY KEY,
->  order_id INT NOT NULL,
->  product_id INT NOT NULL,
->  quantity INT NOT NULL,
->  subtotal 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 (0.030 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','easylet','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 Biru'), ('Pulpen Hitam'), ('Buku Tulis'), ('Buku Gambar'), ('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, 'Buku Tulis 40 Lembar', 'Buku tulis merk Sinar Dunia', 7000, 200),
-> (4, 'Buku Gambar A4', 'Buku gambar isi 20 lembar', 8000, 120),
-> (5, 'Kertas A4 80gsm', 'Kertas fotokopi isi 500 lembar', 45000, 50),
-> (6, 'Penghapus Faber-Castell', 'Penghapus karet putih', 3000, 150),
-> (7, 'Spidol Whiteboard Hitam', 'Spidol untuk papan tulis', 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', '08703340336', 'Medan'),
-> ('ZADA SYAKIB HARAHAP', 'Zada@gmail.com', '08325636586', 'Jakarta'),
-> ('RANDU ALAFSYAH', 'Randu@gmail.com', '08437892784', 'Bandung'),
-> ('HAMMAMU ARLI RAFFI', 'arli@gmail.com', '08234765656', 'Surabaya'),
-> ('SHALIM ABRAR SIREGAR', 'Shulim@gmail.com', '082073856375', 'Makassar');
Query OK, 5 rows affected (0.006 sec)
Records: 5 Duplicates: 0 Warnings: 0
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MariaDB [ecommerce_atk]> INSERT INTO orders (customer_id, status, total) VALUES
-> (1, 'pending', 17000),
-> (2, 'paid', 20000),
-> (3, 'paid', 40000),
-> (4, 'pending', 60000),
-> (5, 'paid', 15000);
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, 1, 2, 10000), -- Raffa beli 2 pulpen pilot
-> (1, 2, 1, 7000), -- Raffa beli 1 buku tulis
-> (2, 2, 2, 12000), -- Zada beli 2 pulpen gel
-> (2, 4, 1, 8000), -- Zada beli 1 buku gambar
-> (3, 5, 1, 45000), -- Randu beli 1 kertas
-> (3, 6, 1, 3000), -- Randu beli 1 penghapus
-> (4, 3, 1, 7000), -- Adli beli 1 buku tulis
-> (4, 4, 1, 8000), -- Adli beli 1 buku gambar
-> (4, 5, 1, 45000), -- Adli beli 1 kertas
-> (5, 4, 1, 8000), -- Shultan beli 1 buku gambar
-> (5, 7, 1, 7000); -- 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, 40000, 'transfer'),
-> (5, 15000, 'transfer');
Query OK, 3 rows affected (0.011 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 4B Lembar | Buku Tulis | 7000.00 | 200 |
| 4 | Buku Gambar A4 | Buku Gambar | 8000.00 | 120 |
| 5 | Kertas A4 80gsm | Kertas | 45000.00 | 50 |
| 6 | Penghapus Faber-Castell | Penghapus | 3000.00 | 150 |
| 7 | Spidol Whiteboard Hitam | Spidol | 7000.00 | 50 |
+-----+-----+-----+-----+-----+
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 HARAHAAP | 2025-10-16 15:26:18 | paid | 20000.00 |
| 3 | RANDU ALAMSYAH | 2025-10-16 15:26:18 | paid | 40000.00 |
| 4 | MUHAMMAD ADLI RAFFI | 2025-10-16 15:26:18 | pending | 60000.00 |
| 5 | SHULTAN ABRAR SIREGAR | 2025-10-16 15:26:18 | paid | 15000.00 |
+-----+-----+-----+-----+-----+
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 | 2 | 10000.00 |
| 1 | RAFFA AL HABSYI MULYA | Buku Tulis 4B Lembar | 1 | 7000.00 |
| 2 | ZADA SYAKIB HARAHAAP | Pulpen Gel Hitam | 2 | 12000.00 |
| 2 | ZADA SYAKIB HARAHAAP | Buku Gambar A4 | 1 | 8000.00 |
| 3 | RANDU ALAMSYAH | Kertas A4 80gsm | 1 | 45000.00 |
| 3 | RANDU ALAMSYAH | Penghapus Faber-Castell | 1 | 3000.00 |
| 4 | MUHAMMAD ADLI RAFFI | Buku Tulis 4B Lembar | 1 | 7000.00 |
| 4 | MUHAMMAD ADLI RAFFI | Buku Gambar A4 | 1 | 8000.00 |
| 4 | MUHAMMAD ADLI RAFFI | Kertas A4 80gsm | 1 | 45000.00 |
| 5 | SHULTAN ABRAR SIREGAR | Buku Gambar A4 | 1 | 8000.00 |
| 5 | SHULTAN ABRAR 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 |
+-----+-----+-----+-----+-----+-----+
| 2 | 2 | ZADA SYAKIB HARAHAAP | 20000.00 | transfer | 2025-10-16 15:49:03 |
| 3 | 3 | RANDU ALAMSYAH | 40000.00 | transfer | 2025-10-16 15:49:03 |
| 5 | 5 | SHULTAN ABRAR SIREGAR | 15000.00 | transfer | 2025-10-16 15:49:03 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [ecommerce_atk]>

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