Task 4: SQL for Data Analysis(Screenshots)

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
✓ 1	13:37:33	show databases	5 row(s) returned	0.000 sec / 0.000 sec
✗ 2	15:20:38	CREATE TABLE Customers (customer_id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(1...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking its name in the SC...	0.000 sec
✓ 3	15:21:34	CREATE DATABASE ecommerce_db	1 row(s) affected	0.016 sec
✗ 4	15:21:49	CREATE DATABASE ecommerce_db	Error Code: 1007. Can't create database 'ecommerce_db'; database exists	0.000 sec
✓ 5	15:22:06	USE ecommerce_db	0 row(s) affected	0.000 sec
✓ 6	15:22:22	CREATE TABLE Customers (customer_id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(1...	0 row(s) affected	0.016 sec

```
1
2 •  INSERT INTO Customers (name, email, country) VALUES
3    ('Alice', 'alice@gmail.com', 'USA'),
4    ('Bob', 'bob@gmail.com', 'UK'),
5    ('Charlie', 'charlie@gmail.com', 'India');
6
7
8 •  INSERT INTO Products (name, category, price) VALUES
9    ('Laptop', 'Electronics', 1000.00),
10   ('Phone', 'Electronics', 500.00),
11   ('T-Shirt', 'Clothing', 25.00),
12   ('Book', 'Books', 15.00);
13
14 • INSERT INTO Orders (customer_id, order_date, total_amount) VALUES
15   (1, '2024-05-01', 1025.00),
16   (2, '2024-05-02', 515.00),
17   (1, '2024-06-01', 40.00);
18
19 • INSERT INTO Order_Items (order_id, product_id, quantity, price) VALUES
20   (1, 1, 1, 1000.00),
21   (1, 3, 1, 25.00),
22   (2, 2, 1, 500.00),
23   (2, 4, 1, 15.00),
24   (3, 4, 2, 15.00);
25
```

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.

Context Help   Snippets

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
✓ 9	15:22:22	CREATE TABLE Order_Items (order_item_id INT AUTO_INCREMENT PRIMARY KEY, order_id INT, ...	0 row(s) affected	0.015 sec
✗ 10	15:23:21	CREATE TABLE Customers (customer_id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(1...	Error Code: 1050. Table 'customers' already exists	0.000 sec
✓ 11	15:23:40	INSERT INTO Customers (name, email, country) VALUES ('Alice', 'alice@gmail.com', 'USA'), ('Bob', 'bob@gmai...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.000 sec
✓ 12	15:23:40	INSERT INTO Products (name, category, price) VALUES ('Laptop', 'Electronics', 1000.00), ('Phone', 'Electronic...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.015 sec
✓ 13	15:23:40	INSERT INTO Orders (customer_id, order_date, total_amount) VALUES (1, '2024-05-01', 1025.00), (2, '2024-0...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.000 sec
✓ 14	15:23:40	INSERT INTO Order_Items (order_id, product_id, quantity, price) VALUES (1, 1, 1, 1000.00), (1, 3, 1, 25.00), (...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec

Result Grid | Filter Rows: | Edit:

order_id	customer_id	order_date	total_amount
2	2	2024-05-02	515.00
1	1	2024-05-01	1025.00
NULL	NULL	NULL	NULL

name	order_id
Alice	1
Alice	3
Bob	2

name
Alice

category	total_quantity
Electronics	2
Clothing	1
Books	3

month	monthly_revenue
2024-05	1540.00
2024-06	40.00

29	15:32:36	CREATE INDEX idx_order_date ON Orders(order_date)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
30	15:32:36	CREATE INDEX idx_customer_id ON Customers(customer_id)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
31	15:32:36	CREATE INDEX idx_product_id ON Order_Items(product_id)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec