Elevate Labs

Task – 4

-CREATE DATABASE ecommerce\_db;

-USE ecommerce\_db;

\*\*OUTPUT:

Created database

-CREATE TABLE customers (

customer\_id INT PRIMARY KEY,

name VARCHAR(100),

country VARCHAR(50)

);

CREATE TABLE orders (

order\_id INT PRIMARY KEY,

customer\_id INT,

order\_date DATE,

total\_amount DECIMAL(10,2),

FOREIGN KEY (customer\_id) REFERENCES customers(customer\_id)

);

OUTPUT :

Created Customer table

Created Orders table

-INSERT INTO customers VALUES

(1, 'Alice', 'India'),

(2, 'Bob', 'USA'),

(3, 'Charlie', 'India');

INSERT INTO orders VALUES

(101, 1, '2024-05-01', 500.00),

(102, 2, '2024-05-02', 750.00),

(103, 3, '2024-05-03', 1200.00),

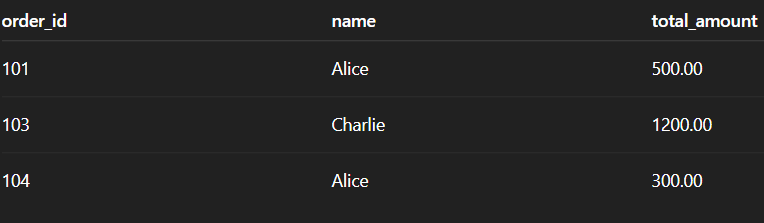
(104, 1, '2024-05-04', 300.00);

-SELECT o.order\_id, c.name, o.total\_amount

FROM orders o

JOIN customers c ON o.customer\_id = c.customer\_id

WHERE c.country = 'India';

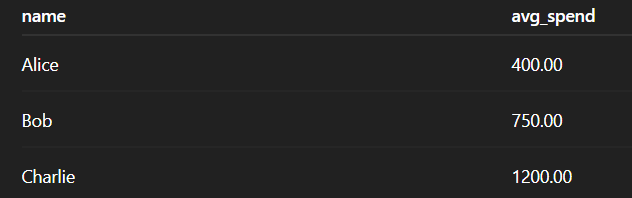


-SELECT c.name, AVG(o.total\_amount) AS avg\_spend

FROM customers c

JOIN orders o ON c.customer\_id = o.customer\_id

GROUP BY c.name;



-SELECT name FROM customers

WHERE customer\_id IN (

SELECT customer\_id FROM orders

GROUP BY customer\_id

HAVING SUM(total\_amount) > 500

);



-CREATE VIEW high\_value\_orders AS

SELECT o.order\_id, c.name, o.total\_amount

FROM orders o

JOIN customers c ON o.customer\_id = c.customer\_id

WHERE o.total\_amount > 500;