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# CREATE DATABASE RetailDB_12;
USE RetailDB_12;
CREATE TABLE Customers (
    customer_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(150) UNIQUE,
    city VARCHAR(50),
    signup_date DATE
);

CREATE TABLE Products (
    product_id INT AUTO_INCREMENT PRIMARY KEY,
    product_name VARCHAR(100),
    category VARCHAR(50),
    price DECIMAL(10,2)
);

CREATE TABLE Orders (
    order_id INT AUTO_INCREMENT PRIMARY KEY,
    customer_id INT,
    product_id INT,
    order_date DATE,
    quantity INT,
    total_amount DECIMAL(10,2),
    payment_mode VARCHAR(50),
    FOREIGN KEY (customer_id) REFERENCES Customers(customer_id),
    FOREIGN KEY (product_id) REFERENCES Products(product_id);

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Select * FROM Customers;
Select * From Products;
Select * From orders;

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-- -----ASSIGNMENT QUESTIONS-----
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-- 1.
SELECT * FROM Customers;
-- 2.
SELECT name, city FROM Customers;
-- 3.
SELECT * FROM Customers WHERE city = 'Mumbai';
-- 4.
SELECT * FROM Orders WHERE order_date > '2024-08-01';
-- 5.
SELECT * FROM Products WHERE price > 5000;
-- 6.
SELECT COUNT(*) AS total_customers FROM Customers;
-- 7.
UPDATE Customers SET city = 'Hyderabad' WHERE name = 'Rohit Kumar';
-- 8.
DELETE FROM Orders WHERE order_id = 5;
-- 9.
SELECT
    product_name,
    price AS original_price,
    price * 1.10 AS increased_price
FROM Products;
-- 10.

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SELECT DISTINCT city FROM Customers;
-- 11.
SELECT *
FROM Customers
ORDER BY signup_date
LIMIT 3;
-- 12.
SELECT *
FROM Customers
ORDER BY signup_date
LIMIT 2, 3;
-- 13.
SELECT *
FROM Products
WHERE price BETWEEN 2000 AND 6000;
-- 14.
SELECT *
FROM Customers
WHERE city IN ('Mumbai', 'Chennai');
-- 15.
SELECT *
FROM Customers
WHERE city <> 'Delhi';
-- 16.
SELECT *
FROM Orders
WHERE payment_mode <> 'UPI';
-- 17.
SELECT AVG(total_amount) AS average_order_amount
FROM Orders;
-- 18.
SELECT MAX(total_amount) AS highest_order_amount
FROM Orders;
-- 19.
SELECT MIN(price) AS lowest_product_price
FROM Products;
-- 20.
SELECT SUM(total_amount) AS total_money_spent FROM Orders;
```