SQL Joins

Questions

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Note : Create the following dummy tables in MySQL Workbench using CREATE FUNCTION-

Table 1: Customers

CustomerID	CustomerName	City
1	John Smith	New York
2	Mary Johnson	Chicago
3	Peter Adams	Los Angeles
4	Nancy Miller	Houston
5	Robert White	Miami

Table 2: Orders

OrderID	CustomerID	OrderDate	Amount
101	1	2024-10-01	250
102	2	2024-10-05	300
103	1	2024-10-07	150
104	3	2024-10-10	450
105	6	2024-10-12	400

Table 3: Payments

PaymentID	CustomerID	PaymentDate	Amount
P001	1	2024-10-02	250
P002	2	2024-10-06	300
P003	3	2024-10-11	450
P004	4	2024-10-15	200

Table 4: Employees

EmployeeID	EmployeeName	ManagerID
1	Alex Green	NULL
2	Brian Lee	1
3	Carol Ray	1
4	David Kim	2
5	Eva Smith	2

Question 1. Retrieve all customers who have placed at least one order.

Question 2. Retrieve all customers and their orders, including customers who have not placed any orders.

Question 3. Retrieve all orders and their corresponding customers, including orders placed by unknown customers.

Question 4. Display all customers and orders, whether matched or not.

Question 5. Find customers who have **not placed any orders.**

Question 6. Retrieve customers who made payments but did not place any orders.

Question 7. Generate a list of all possible combinations between Customers and Orders.

Question 8. Show all customers along with order and payment amounts in one table.

Question 9. Retrieve all customers who have both placed orders and made payments.