

Problem Statement 6 - Pattern Search Queries and View (MySQL)

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-- Step 1: Create Database
CREATE DATABASE customer6;
USE customer6;

-- Step 2: Create Table
CREATE TABLE Cust_Master(
    Cust_no VARCHAR(10) PRIMARY KEY,
    Cust_name VARCHAR(30),
    Qty_Ordered INT,
    Order_date DATE,
    Cust_addr VARCHAR(30)
);

-- Step 3: Insert Records
INSERT INTO Cust_Master VALUES
('C1001','Suyash',5,'2024-01-10','Pune'),
('C1002','Rahul',3,'2024-01-11','Mumbai'),
('C1003','Aman',8,'2024-01-12','Mangalore'),
('C1004','Naman',2,'2024-01-13','Pune'),
('C1005','Ravi',9,'2024-01-14','Banglore'),
('C1006','Karan',4,'2024-01-15','Delhi'),
('C1007','Gagan',6,'2024-01-16','Mangalore'),
('C1008','Mahesh',1,'2024-01-17','Mumbai'),
('C1009','Sagar',7,'2024-01-18','Pune'),
('C1010','Aditi',5,'2024-01-19','Mumbai');

-- Step 4: Queries

-- 1) Customers having 'a' as second letter
SELECT Cust_name
FROM Cust_Master
WHERE Cust_name LIKE '_a%';

-- 2) Customers staying in city whose first letter is 'M'
SELECT Cust_name, Cust_addr
FROM Cust_Master
WHERE Cust_addr LIKE 'M%';

-- 3) Display records of C1002, C1005, C1007, and C1008
SELECT *
FROM Cust_Master
WHERE Cust_no IN ('C1002','C1005','C1007','C1008');

-- 4) Clients who stay in either 'Banglore' or 'Mangalore'
SELECT Cust_name, Cust_addr
FROM Cust_Master
WHERE Cust_addr IN ('Banglore','Mangalore');

-- 5) Create View: Customer_View
CREATE VIEW Customer_View AS
SELECT Cust_no, Qty_Ordered, Order_date
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FROM Cust_Master;
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-- To see the view:
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SELECT * FROM Customer_View;
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