CREATE TABLE Customers (

CustomersID int,

Name varchar (30),

Email varchar (30),

Address varchar (30)

);

insert into Customers

(CustomersID,Name,Email,Address)

values

(1,"Raj Rajput","Raj1@gmail.com","Delhi,India "),

(2,"Sujal Rajput","Sujal2@gmail.com","Mumbai,India "),

(3,"Umar Khan","Umar3@gmail.com","Jaipur,India "),

(4,"Alice Shah","Alice4@gmail.com","Lucknow,India "),

(5,"Amit Mishra","Amit5@gmail.com","Hyderabad,India ");

select \* from Customers

UPDATE customers SET Address="Mumbai, India" WHERE CustomersID=1;

delete from customers where CustomersID = 5;

select \* from customers where Name = 'Alice Shah';

===================================================================

CREATE TABLE Orders (

OrderID INT PRIMARY KEY,

CustomerID INT ,

OrderDate DATE ,

TotalAmount DECIMAL(10,2)

);

INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)

VALUES

(101, 2121, '2025-03-05', 700.00),

(102, 2122, '2025-03-10', 1500.50),

(103, 2123, '2025-03-19', 1000.75),

(104, 2124, '2025-03-25', 1500.00),

(105, 2125, '2025-03-28', 800.25);

SELECT \* FROM Orders WHERE CustomerID = 2121;

UPDATE Orders SET TotalAmount = 1900.00 WHERE OrderID = 104;

DELETE FROM Orders WHERE OrderID = 105;

SELECT \* FROM Orders WHERE OrderDate >= CURDATE() - INTERVAL 30 DAY;

SELECT

MAX(TotalAmount) AS HighestAmount,

MIN(TotalAmount) AS LowestAmount,

AVG(TotalAmount) AS AverageAmount

FROM Orders;

===================================================================

CREATE TABLE Products (

ProductID INT PRIMARY KEY,

ProductName VARCHAR(40) NOT NULL,

Price DECIMAL(10,2) NOT NULL,

Stock INT

);

INSERT INTO Products (ProductID, ProductName, Price, Stock)

VALUES

(1, 'Laptop', 55000, 50),

(2, 'Smartphone', 35000, 100),

(3, 'Headphones', 20000, 50),

(4, 'Smartwatch', 5000, 25),

(5, 'Tablet', 28000, 15);

SELECT \* FROM Products ORDER BY Stock DESC;

UPDATE Products SET Price = 17000 WHERE ProductID = 3;

DELETE FROM Products WHERE Stock = 15;

SELECT \* FROM Products WHERE Price BETWEEN 17000 AND 35000;

SELECT

(SELECT ProductName FROM Products WHERE Price = (SELECT MAX(Price) FROM Products)) AS Most\_Expensive\_Product,

(SELECT ProductName FROM Products WHERE Price = (SELECT MIN(Price) FROM Products)) AS Cheapest\_Product;

===================================================================

CREATE TABLE OrderDetails (

OrderDetailID INT PRIMARY KEY,

OrderID INT,

ProductID INT,

Quantity INT ,

SubTotal DECIMAL(10,2)

);

INSERT INTO OrderDetails (OrderDetailID, OrderID, ProductID, Quantity, SubTotal)

VALUES

(101, 2121, 453, 1, 55000.23),

(201, 2122, 354, 2, 3000.43),

(301, 2123, 435, 1, 20000.65),

(401, 2124, 678, 1, 15000.23),

(501, 2125, 879, 2, 36000.45);

SELECT \* FROM OrderDetails WHERE OrderID = 2121;

SELECT SUM(SubTotal) AS Total\_Revenue FROM OrderDetails;

SELECT ProductID, SUM(Quantity) AS TotalOrdered

FROM OrderDetails

GROUP BY ProductID

ORDER BY TotalOrdered DESC

LIMIT 3;

SELECT ProductID, COUNT(\*) AS TotalSales

FROM OrderDetails

WHERE ProductID = 453

GROUP BY ProductID;