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**Name:** Izza Maryam **Course:** Database Systems Lab

**Sap id:** 49360 **Program:** BS CS-4

**CODE:**

CREATE DATABASE assign;USE assign;

CREATE TABLE user (

username VARCHAR(50),

userid INT PRIMARY KEY,

email VARCHAR(60) UNIQUE,

oderdate DATE

);

CREATE TABLE products (

proname VARCHAR(50),

proprice INT,

proid INT PRIMARY KEY,

totalorders INT

);

INSERT INTO user (username, userid, email, oderdate)

VALUES

('SOPHIA', 33468, 'Sopher@example.com', '2024-11-11'),

('IDREES', 24763, 'IDRES@example.com', '2023-12-23'),

('ALINA', 21398, 'ALIII@example.com', '2024-11-17'),

('IZZA', 73424, 'ZZYY@example.com', '2024-11-25'),

('TAHA', 38438, 'TUAHAWW@example.com', '2023-03-04'),

('MARYAM', 91283, 'MRYM@example.com', '2023-04-12'),

('AYEZA', 45643, 'AYIIIIZ@example.com', '2020-01-30'),

('MAHEEN', 23462, 'MOMO@example.com', '1987-06-17'),

('MOMIN', 13172, 'MOMINNN@example.com', '2010-01-11'),

('AHAD', 35388, 'HADHAYAAR@example.com', '2022-08-05'),

('MAHA', 376558, 'WHATSOEVER@example.com', '2018-01-17'),

('AILA', 139334, 'ALIAA@example.com', '2023-01-15'),

('HAZIQ', 65384, 'HADEEQQ@example.com', '2020-08-15'),

('RUBI', 38768, 'RUBINA678@example.com', '2024-08-31'),

('WAHAB', 24344, 'WAHABKHAN@example.com', '2024-07-24');

INSERT INTO products (proname, proprice, proid, totalorders)

VALUES

('Smartphone', 35, 1, 50),

('Tablet', 45, 2, 30),

('Phone Case', 5, 3, 100),

('Laptop', 500, 4, 20),

('Smartwatch', 150, 5, 40),

('Charger', 15, 6, 60),

('Wireless Earbuds', 60, 7, 80),

('Camera', 300, 8, 10),

('Headphones', 25, 9, 70),

('Power Bank', 20, 10, 90);

SELECT \* FROM user;

SELECT \* FROM user WHERE username LIKE 'A%';

SELECT \* FROM products WHERE proprice BETWEEN 10 AND 50 AND (proname LIKE '%phone%' OR proname LIKE '%tablet%');

SELECT \* FROM user

WHERE userid = 3

ORDER BY oderdate DESC;

SELECT MIN(proprice) AS Min\_Price FROM products;

SELECT MAX(proprice) AS Max\_Price FROM products;

SELECT \* FROM user ORDER BY oderdate LIMIT 10;

SELECT COUNT(\*) AS Total\_Orders, AVG(proprice) AS Avg\_Price, SUM(proprice) AS Total\_Price FROM products;

SELECT \* FROM user WHERE email LIKE '%@example.com';

SELECT \* FROM products WHERE proid IN (1, 5, 9);

SELECT \* FROM user WHERE oderdate BETWEEN '2024-01-01' AND '2024-02-01';

SELECT SUM(proprice) AS order\_total FROM products;

SELECT DISTINCT proname FROM products;

**CODE OUTPUT:**







