-- create

Create table supplier (

supp\_id INT PRIMARY KEY,

supp\_name VARCHAR(50) not null,

supp\_city VARCHAR(50) not null,

supp\_phone VARCHAR(50) not null

);

Desc table supplier;

Create table customer (

cus\_id INT PRIMARY KEY,

cus\_name VARCHAR(20) NOT NULL,

cus\_phone VARCHAR(10) NOT NULL,

cus\_city VARCHAR(30) NOT NULL,

cus\_gender CHAR

);

desc table customer;

CREATE table category(

cat\_id INT PRIMARY KEY,

cat\_name VARCHAR(20) NOT NULL

);

4. SELECT cus\_gender,COUNT(customer.cus\_id) FROM customer

INNER JOIN orders ON customer.cus\_id = orders.cus\_id

WHERE ord\_amount >=3000

group by cus\_gender;

5.

CREATE table product(

pro\_id INT PRIMARY KEY,

pro\_name VARCHAR(20) NOT NULL DEFAULT "Dummy",

pro\_desc VARCHAR(60),

cat\_id INT,

FOREIGN KEY(cat\_id) references category(cat\_id)

);

DESC table product;

CREATE TABLE supplier\_pricing(

pricing\_id INT PRIMARY KEY,

pro\_id INT,

supp\_id INT ,

FOREIGN KEY(pro\_id) references product(pro\_id),

FOREIGN KEY(supp\_id) references supplier(supp\_id),

supp\_price INT DEFAULT 0

);

DESC table supplier\_pricing;

create table orders(

ord\_id INT PRIMARY KEY,

ord\_amount INT NOT NULL,

ord\_date date NOT NULL,

cus\_id INT,

pricing\_id INT,

FOREIGN KEY(cus\_id) references customer(cus\_id),

FOREIGN KEY(pricing\_id) references supplier\_pricing(pricing\_id)

);

DESC table orders;

Create table rating(

rat\_id INT PRIMARY KEY,

ord\_id INT,

FOREIGN KEY(ord\_id) references orders(ord\_id),

rat\_ratstars INT NOT NULL

);

desc table rating;

INSERT INTO supplier (supp\_id, supp\_name, supp\_city, supp\_phone) values (1, "Rajesh Retails", "Delhi", '1234567890');

INSERT INTO supplier (supp\_id, supp\_name, supp\_city, supp\_phone) values (2, "Appario Ltd.", "Mumbai", '2589631470');

INSERT INTO supplier (supp\_id, supp\_name, supp\_city, supp\_phone) values (3, "Knome products", "Banglore", '9785462315');

INSERT INTO supplier (supp\_id, supp\_name, supp\_city, supp\_phone) values (4, "Bansal Retails", "Kochi", '8975463285');

INSERT INTO customer (cus\_id, cus\_name, cus\_phone, cus\_city, cus\_gender) values (1, "Akash", "9999999999", "Delhi", "M");

INSERT INTO customer (cus\_id, cus\_name, cus\_phone, cus\_city, cus\_gender) values (2, "Aman", "9785463215", "Noida", "M");

INSERT INTO customer (cus\_id, cus\_name, cus\_phone, cus\_city, cus\_gender) values (3, "Neha", "9999999999", "Mumbai", "F");

INSERT INTO customer (cus\_id, cus\_name, cus\_phone, cus\_city, cus\_gender) values (4, "Megha", "9994562399", "Kolkata", "F");

INSERT INTO category(cat\_id, cat\_name) values (1, "Books");

INSERT INTO category(cat\_id, cat\_name) values (2, "Games");

INSERT INTO category(cat\_id, cat\_name) values (3, "Groceries");

INSERT INTO category(cat\_id, cat\_name) values (4, "Electronics");

INSERT INTO product (pro\_id, pro\_name, pro\_desc, cat\_id) values (1, "GTA V", "Windows 7 and above with i5 processor and 8GB RAM", 2);

INSERT INTO product (pro\_id, pro\_name, pro\_desc, cat\_id) values (2, "TSHIRT", "SIZE-L with Black, Blue and White variations ", 5);

INSERT INTO product (pro\_id, pro\_name, pro\_desc, cat\_id) values (3, "ROG LAPTOP", "Windows 10 with 15inch screen, i7 processor, 1TB SSDM", 4);

INSERT INTO product (pro\_id, pro\_name, pro\_desc, cat\_id) values (4, "OATS", "Highly Nutritious from Nestle", 3);

INSERT INTO product (pro\_id, pro\_name, pro\_desc, cat\_id) values (5, "HARRY POTTER", "Best Collection of all time by J.K Rowling ", 1);

INSERT INTO supplier\_pricing (pricing\_id, pro\_id, supp\_id, supp\_price) values (1,1,2, 1500);

INSERT INTO supplier\_pricing (pricing\_id, pro\_id, supp\_id, supp\_price) values (2,3,5,30000);

INSERT INTO supplier\_pricing (pricing\_id, pro\_id, supp\_id, supp\_price) values (3,5,1, 3000);

INSERT INTO supplier\_pricing (pricing\_id, pro\_id, supp\_id, supp\_price) values (4,2,3, 2500);

INSERT INTO supplier\_pricing (pricing\_id, pro\_id, supp\_id, supp\_price) values (5,4,1, 1000);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (101, 1500, "2021-10-06", 2,1);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (102, 1000, "2021-10-12", 3,5);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (103, 30000, "2021-09-16", 5,2);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (104, 1500, "2021-10-05", 1,1);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (105, 3000, "2021-08-16", 4,3);

INSERT INTO orders( ord\_id, ord\_amount, ord\_date, cus\_id, pricing\_id ) values (106, 1450, "2021-08-18", 1,9);

INSERT INTO rating(rat\_id, ord\_id, rat\_ratstars) values (1,101, 4);

INSERT INTO rating(rat\_id, ord\_id, rat\_ratstars) values (2,102, 3);

INSERT INTO rating(rat\_id, ord\_id, rat\_ratstars) values (3,103, 1);

INSERT INTO rating(rat\_id, ord\_id, rat\_ratstars) values (4,104, 2);

4. SELECT cus\_gender,COUNT(customer.cus\_id) FROM customer

INNER JOIN orders ON customer.cus\_id = orders.cus\_id

WHERE ord\_amount >=3000

group by cus\_gender;

5. SELECT o.ord\_id, p.pro\_name FROM orders o

INNER JOIN supplier\_pricing sp ON o.pricing\_id = sp.pricing\_id

INNER JOIN product p ON sp.pro\_id = p.pro\_id

WHERE o.cus\_id =2;

6. SELECT s.\*

FROM supplier s

INNER JOIN supplier\_pricing sp

ON s.supp\_id = sp.supp\_id

GROUP BY s.supp\_id, s.supp\_name, s.supp\_city, s.supp\_phone

HAVING COUNT(DISTINCT sp.pricing\_id) >1;

7. SELECT c.cat\_id, c.cat\_name, p.pro\_name, sp.supp\_price

FROM category c

JOIN product p ON p.pro\_id = c. cat\_id

JOIN supplier\_pricing sp ON sp.pro\_id = p.pro\_id

WHERE sp.supp\_price = (SELECT MIN(supp\_price) FROM supplier\_pricing WHERE sp.pro\_id = p.pro\_id);

8. SELECT p.pro\_id, p.pro\_name FROM product p

JOIN supplier\_pricing sp ON sp.pro\_id = p.pro\_id

JOIN orders o ON o.pricing\_id = sp.pricing\_id

WHERE o.ord\_date > '2021-10-05';

9. SELECT c.cus\_name, c.cus\_gender FROM customer c

WHERE c.cus\_name LIKE 'A%' or '%A';

10. DELIMITER //

CREATE PROCEDURE ServiceRating()

BEGIN

SELECT s.supp\_id, s.supp\_name, r.rat\_ratstars,

CASE

WHEN r.rat\_ratstars = 5 THEN 'Excellent service'

WHEN r.rat\_ratstars > 4 THEN 'Good Service'

WHEN r.rat\_ratstars > 2 THEN 'Average Service'

ELSE 'Poor Service'

END AS Type\_of\_Service

FROM supplier s

JOIN supplier\_pricing sp ON s.supp\_id = sp.supp\_id

JOIN rating r ON sp.pricing\_id = r.ord\_id;

END //

DELIMITER ;