**Display the total number of customers based on gender who have placed individual orders of worth at least Rs.3000.**

SELECT CUS\_GENDER, COUNT(DISTINCT CUS\_ID) AS Total\_Customers

FROM customer

JOIN "order" ON customer.CUS\_ID = "order".CUS\_ID

WHERE ORD\_AMOUNT >= 3000

GROUP BY CUS\_GENDER;

### Display all the orders along with product name ordered by a customer having Customer\_Id=2

SELECT ORD\_ID, ORD\_AMOUNT, ORD\_DATE, customer.CUS\_ID, PRO\_NAME

FROM "order"

JOIN supplier\_pricing ON "order".PRICING\_ID = supplier\_pricing.PRICING\_ID

JOIN product ON supplier\_pricing.PRO\_ID = product.PRO\_ID

JOIN customer ON "order".CUS\_ID = customer.CUS\_ID

WHERE customer.CUS\_ID = 2;

### Display the Supplier details who can supply more than one product.

SELECT SUPP\_ID, SUPP\_NAME

FROM supplier

WHERE SUPP\_ID IN (

SELECT SUPP\_ID

FROM supplier\_pricing

GROUP BY SUPP\_ID

HAVING COUNT(DISTINCT PRO\_ID) > 1

);

### Find the least expensive product from each category and print the table with category id, name, product name, and price of the product

WITH MinPricePerCategory AS (

SELECT CAT\_ID, MIN(SUPP\_PRICE) AS MinPrice

FROM supplier\_pricing

GROUP BY CAT\_ID

)

SELECT pc.CAT\_ID, CAT\_NAME, PRO\_NAME, SP.SUPP\_PRICE

FROM MinPricePerCategory pc

JOIN supplier\_pricing SP ON pc.CAT\_ID = SP.CAT\_ID AND pc.MinPrice = SP.SUPP\_PRICE

JOIN product P ON SP.PRO\_ID = P.PRO\_ID

JOIN category C ON pc.CAT\_ID = C.CAT\_ID;

### Display the Id and Name of the Product ordered after “2021-10-05”.

SELECT P.PRO\_ID, P.PRO\_NAME

FROM "order"

JOIN supplier\_pricing SP ON "order".PRICING\_ID = SP.PRICING\_ID

JOIN product P ON SP.PRO\_ID = P.PRO\_ID

WHERE "order".ORD\_DATE > '2021-10-05';

### Display customer name and gender whose names start or end with the character 'A'.

SELECT CUS\_NAME, CUS\_GENDER

FROM customer

WHERE CUS\_NAME LIKE 'A%' OR CUS\_NAME LIKE '%A';

### Create a stored procedure to display supplier id, name, Rating (Average rating of all the products sold by every customer), and Type\_of\_Service.

DELIMITER //

CREATE PROCEDURE GetSupplierRatingAndServiceType()

BEGIN

SELECT SP.SUPP\_ID, SP.SUPP\_NAME, AVG(RAT\_RATSTARS) AS Average\_Rating,

CASE

WHEN AVG(RAT\_RATSTARS) = 5 THEN 'Excellent Service'

WHEN AVG(RAT\_RATSTARS) > 4 THEN 'Good Service'

WHEN AVG(RAT\_RATSTARS) > 2 THEN 'Average Service'

ELSE 'Poor Service'

END AS Type\_of\_Service

FROM rating R

JOIN "order" O ON R.ORD\_ID = O.ORD\_ID

JOIN supplier\_pricing SP ON O.PRICING\_ID = SP.PRICING\_ID

GROUP BY SP.SUPP\_ID, SP.SUPP\_NAME;

END //

DELIMITER ;