**1) 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 `order`*

*JOIN customer ON `order`.CUS\_ID = customer.CUS\_ID*

*WHERE ORD\_AMOUNT >= 3000*

*GROUP BY CUS\_GENDER;*

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

*SELECT `order`.ORD\_ID, product.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*

*WHERE `order`.CUS\_ID = 2;*

**3) Display the Supplier details who can supply more than one product.**

*SELECT supplier.SUPP\_ID, SUPP\_NAME, SUPP\_CITY, SUPP\_PHONE*

*FROM supplier*

*JOIN supplier\_pricing ON supplier.SUPP\_ID = supplier\_pricing.SUPP\_ID*

*GROUP BY supplier.SUPP\_ID, SUPP\_NAME, SUPP\_CITY, SUPP\_PHONE*

*HAVING COUNT(DISTINCT supplier\_pricing.PRO\_ID) > 1;*

**4) Find the least expensive product from each category and print the table with category id, name, product name, and price of the product.**

*SELECT category.CAT\_ID, CAT\_NAME, product.PRO\_NAME, MIN(supplier\_pricing.SUPP\_PRICE) AS Price*

*FROM category*

*JOIN product ON category.CAT\_ID = product.CAT\_ID*

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

*GROUP BY category.CAT\_ID, CAT\_NAME, product.PRO\_NAME;*

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

*SELECT DISTINCT product.PRO\_ID, product.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*

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

**6) 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';*

**7) 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 SupplierRatings()*

*BEGIN*

*SELECT*

*supplier.SUPP\_ID,*

*supplier.SUPP\_NAME,*

*AVG(rating.RAT\_RATSTARS) AS Average\_Rating,*

*CASE*

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

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

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

*ELSE 'Poor Service'*

*END AS Type\_of\_Service*

*FROM supplier*

*JOIN supplier\_pricing ON supplier.SUPP\_ID = supplier\_pricing.SUPP\_ID*

*JOIN `order` ON supplier\_pricing.PRICING\_ID = `order`.PRICING\_ID*

*JOIN rating ON `order`.ORD\_ID = rating.ORD\_ID*

*GROUP BY supplier.SUPP\_ID, supplier.SUPP\_NAME;*

*END //*

*DELIMITER ;*