/\* Problem 1 - Display the total number of customers based on gender who have placed orders of worth at least Rs.3000.\*/

select count(ID) as CustomerCount, Gender from (select distinct customer.CUS\_ID as ID, customer.CUS\_GENDER as Gender

from customer inner join `ORDER` on customer.CUS\_ID = `ORDER`.CUS\_ID where ORD\_AMOUNT >= 3000)

as Subquery group by Gender;

/\* Problem 2 - Display all the orders along with product name ordered by a customer having Customer\_Id=2\*/

select Ord.ORD\_ID as Order\_ID, Ord.ORD\_AMOUNT as Order\_Amount, Ord.ORD\_DATE as Order\_Date, Product.PRO\_NAME as Product\_Name,

Ord.CUS\_ID as Customer\_ID from `Order` as Ord inner join Supplier\_pricing as Sp on Ord.Pricing\_ID = Sp.Pricing\_ID

inner join Product on Product.Pro\_ID = Sp.Pro\_Id

Where Ord.CUS\_ID=2;

/\* Problem 3 - Display the Supplier details who can supply more than one product. \*/

select supp.Supp\_Id, supp.Supp\_Name, supp.Supp\_City, supp.Supp\_Phone, count(sp.Pro\_Id) from supplier supp

inner join supplier\_pricing sp on supp.Supp\_Id = sp.Supp\_Id

group by Supp\_Id having count (sp.Pro\_Id) > 1;

select supplier.\* from supplier where supplier.supp\_id in (select supp\_id from supplier\_pricing group by supp\_id

having count (supp\_id)>1) group by supplier.supp\_id;

/\* Problem 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 catg.Cat\_Id as Category\_Id, catg.Cat\_Name as Category\_Name, min (sp.Supp\_Price) as Price\_of\_Product

from category catg

inner join product prod on catg.Cat\_Id = prod.Cat\_Id

inner join supplier\_pricing sp on sp.Pro\_Id = Prod.Pro\_Id

group by catg.Cat\_Id;

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

select prod.Pro\_Id, prod.Pro\_Name, o.Ord\_Date from Product prod

inner join supplier\_pricing sp on sp.Pro\_Id = prod.Pro\_Id

inner join ecommerce.order o on o.Pricing\_Id = sp.Pricing\_Id

where o.Ord\_Date > '2021-10-05';

/\* Problem 6 - Display customer name and gender whose names start or end with character 'A'.\*/

select Cus\_Name,Cus\_Gender from customer where Cus\_name like 'A%' or Cus\_Name like '%A';

/\* Problem 7 - Create a stored procedure to display supplier id, name, rating and Type\_of\_Service. For Type\_of\_Service,

If rating =5, print “Excellent Service”,If rating >4 print “Good Service”, If rating >2 print “Average Service” else print “Poor Service”. \*/

select supp.Supp\_Id, supp.Supp\_Name, rat.Rat\_Ratstars,

CASE

WHEN rat.Rat\_Ratstars = 5 THEN 'Excellent Service'

WHEN rat.Rat\_Ratstars > 4 THEN 'Good Service'

WHEN rat.Rat\_Ratstars > 2 THEN 'Average Service'

ELSE 'Poor Service'

END as Type\_of\_Service

from supplier supp

inner join supplier\_pricing sp on sp.Supp\_Id = supp.Supp\_Id

inner join ecommerce.order o on sp.Pricing\_Id = o.Pricing\_Id

inner join rating rat on rat.Ord\_Id = o.Ord\_Id;