create database ecommercedb;

use ecommercedb;

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 supplier;

create table customer (CUST\_ID int primary key, CUST\_NAME varchar(50) not null,

CUST\_PHONE varchar(50) not null, CUST\_CITY varchar (50) not null, CUST\_GENDER char );

desc customer;

create table category (CAT\_ID int primary key, CAT\_NAME varchar(50));

desc category;

create table product (PRO\_ID int primary key, PRO\_NAME varchar(50) not null, PRO\_DESC varchar(50) not null,

CAT\_ID int, foreign key(CAT\_ID) references category (CAT\_ID));

desc product;

create table supplier\_pricing(PRICING\_ID int primary key, PRO\_ID int, SUPP\_ID int,

SUPP\_PRICE int default 0, foreign key (PRO\_ID) references product (PRO\_ID),

foreign key (SUPP\_ID) references supplier (SUPP\_ID) );

desc supplier\_pricing;

create table `order` (ORD\_ID int primary key, ORD\_AMOUNT int not null, ORD\_DATE date , CUST\_ID int, PRICING\_ID int,

foreign key (CUST\_ID) references customer (CUST\_ID),

foreign key (PRICING\_ID) references supplier\_pricing (PRICING\_ID));

desc `order`;

create table rating (RAT\_ID int primary key, ORD\_ID int, RAT\_RATSTARS int not null,

foreign key (ORD\_ID) references `order` (ORD\_ID) );

desc rating;

INSERT INTO SUPPLIER VALUES(1,"Rajesh Retails","Delhi",'1234567890');

INSERT INTO SUPPLIER VALUES(2,"Appario Ltd.","Mumbai",'2589631470');

INSERT INTO SUPPLIER VALUES(3,"Knome products","Banglore",'9785462315');

INSERT INTO SUPPLIER VALUES(4,"Bansal Retails","Kochi",'8975463285');

INSERT INTO SUPPLIER VALUES(5,"Mittal Ltd.","Lucknow",'7898456532');

INSERT INTO CUSTOMER VALUES(1,"AAKASH",'9999999999',"DELHI",'M');

INSERT INTO CUSTOMER VALUES(2,"AMAN",'9785463215',"NOIDA",'M');

INSERT INTO CUSTOMER VALUES(3,"NEHA",'9999999999',"MUMBAI",'F');

INSERT INTO CUSTOMER VALUES(4,"MEGHA",'9994562399',"KOLKATA",'F');

INSERT INTO CUSTOMER VALUES(5,"PULKIT",'7895999999',"LUCKNOW",'M');

INSERT INTO CATEGORY VALUES( 1,"BOOKS");

INSERT INTO CATEGORY VALUES(2,"GAMES");

INSERT INTO CATEGORY VALUES(3,"GROCERIES");

INSERT INTO CATEGORY VALUES (4,"ELECTRONICS");

INSERT INTO CATEGORY VALUES(5,"CLOTHES");

INSERT INTO PRODUCT VALUES(1,"GTA V","Windows 7 and above with i5 processor and 8GB RAM",2);

INSERT INTO PRODUCT VALUES(2,"TSHIRT","SIZE-L with Black, Blue and White variations",5);

INSERT INTO PRODUCT VALUES(3,"ROG LAPTOP","Windows 10 with 15inch, i7 processor, 1TB SSD",4);

INSERT INTO PRODUCT VALUES(4,"OATS","Highly Nutritious from Nestle",3);

INSERT INTO PRODUCT VALUES(5,"HARRY POTTER","Best Collection of all time by J.K Rowling",1);

INSERT INTO PRODUCT VALUES(6,"MILK","1L Toned MIlk",3);

INSERT INTO PRODUCT VALUES(7,"Boat EarPhones","1.5Meter long Dolby Atmos",4);

INSERT INTO PRODUCT VALUES(8,"Jeans","Stretchable Denim Jeans with various",5);

INSERT INTO PRODUCT VALUES(9,"Project IGI","compatible with windows 7 and above",2);

INSERT INTO PRODUCT VALUES(10,"Hoodie","Black GUCCI for 13 yrs and above",5);

INSERT INTO PRODUCT VALUES(11,"Rich Dad Poor Dad","Written by RObert Kiyosaki",1);

INSERT INTO PRODUCT VALUES(12,"Train Your Brain","By Shireen Stephen",1);

INSERT INTO SUPPLIER\_PRICING VALUES(1,1,2,1500);

INSERT INTO SUPPLIER\_PRICING VALUES(2,3,5,30000);

INSERT INTO SUPPLIER\_PRICING VALUES(3,5,1,3000);

INSERT INTO SUPPLIER\_PRICING VALUES(4,2,3,2500);

INSERT INTO SUPPLIER\_PRICING VALUES(5,4,1,1000);

INSERT INTO SUPPLIER\_PRICING VALUES(6,12,2,780);

INSERT INTO SUPPLIER\_PRICING VALUES(7,12,4,789);

INSERT INTO SUPPLIER\_PRICING VALUES(8,3,1,31000);

INSERT INTO SUPPLIER\_PRICING VALUES(9,1,5,1450);

INSERT INTO SUPPLIER\_PRICING VALUES(10,4,2,999);

INSERT INTO SUPPLIER\_PRICING VALUES(11,7,3,549);

INSERT INTO SUPPLIER\_PRICING VALUES(12,7,4,529);

INSERT INTO SUPPLIER\_PRICING VALUES(13,6,2,105);

INSERT INTO SUPPLIER\_PRICING VALUES(14,6,1,99);

INSERT INTO SUPPLIER\_PRICING VALUES(15,2,5,2999);

INSERT INTO SUPPLIER\_PRICING VALUES(16,5,2,2999);

INSERT INTO `ORDER` VALUES (101,1500,"2021-10-06",2,1);

INSERT INTO `ORDER` VALUES(102,1000,"2021-10-12",3,5);

INSERT INTO `ORDER` VALUES(103,30000,"2021-09-16",5,2);

INSERT INTO `ORDER` VALUES(104,1500,"2021-10-05",1,1);

INSERT INTO `ORDER` VALUES(105,3000,"2021-08-16",4,3);

INSERT INTO `ORDER` VALUES(106,1450,"2021-08-18",1,9);

INSERT INTO `ORDER` VALUES(107,789,"2021-09-01",3,7);

INSERT INTO `ORDER` VALUES(108,780,"2021-09-07",5,6);

INSERT INTO `ORDER` VALUES(109,3000,"2021-0-10",5,3);

INSERT INTO `ORDER` VALUES(110,2500,"2021-09-10",2,4);

INSERT INTO `ORDER` VALUES(111,1000,"2021-09-15",4,5);

INSERT INTO `ORDER` VALUES(112,789,"2021-09-16",4,7);

INSERT INTO `ORDER` VALUES(113,31000,"2021-09-16",1,8);

INSERT INTO `ORDER` VALUES(114,1000,"2021-09-16",3,5);

INSERT INTO `ORDER` VALUES(115,3000,"2021-09-16",5,3);

INSERT INTO `ORDER` VALUES(116,99,"2021-09-17",2,14);

INSERT INTO RATING VALUES(1,101,4);

INSERT INTO RATING VALUES(2,102,3);

INSERT INTO RATING VALUES(3,103,1);

INSERT INTO RATING VALUES(4,104,2);

INSERT INTO RATING VALUES(5,105,4);

INSERT INTO RATING VALUES(6,106,3);

INSERT INTO RATING VALUES(7,107,4);

INSERT INTO RATING VALUES(8,108,4);

INSERT INTO RATING VALUES(9,109,3);

INSERT INTO RATING VALUES(10,110,5);

INSERT INTO RATING VALUES(11,111,3);

INSERT INTO RATING VALUES(12,112,4);

INSERT INTO RATING VALUES(13,113,2);

INSERT INTO RATING VALUES(14,114,1);

INSERT INTO RATING VALUES(15,115,1);

INSERT INTO RATING VALUES(16,116,0);

select \* from SUPPLIER;

select \* from customer;

select \* from `order`;

select \* from SUPPLIER\_PRICING;

select \* from category;

select \* from rating;

select \* from product;

select count(T2.CUST\_GENDER ) as numberofcustomers, T2.CUST\_GENDER from

(select T1.CUST\_ID, T1.CUST\_GENDER, T1.ORD\_AMOUNT, T1.CUST\_NAME

from (select `order`.\*, customer.CUST\_GENDER, customer.CUST\_NAME from

`order` inner join customer where `order`.CUST\_ID = customer.CUST\_ID having `order`.ORD\_AMOUNT >= 3000)

as T1 group by T1.CUST\_ID) as T2 group by T2.CUST\_GENDER;

select product.PRO\_NAME, `order`.\* from `order`, supplier\_pricing, product where

`order`.CUST\_ID =2 and `order`.PRICING\_ID = supplier\_pricing.PRICING\_ID

and supplier\_pricing.PRO\_ID = product.PRO\_ID;

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;

select \* from supplier;

select category.CAT\_ID, category.CAT\_NAME, min(T3.min\_price) as min\_price from category

inner join (select product.CAT\_ID, product.PRO\_NAME, T2.\* from product inner join

(select PRO\_ID, min(SUPP\_PRICE) as min\_price from supplier\_pricing group by PRO\_ID)

as T2 where T2.PRO\_ID = product.PRO\_ID)

as T3 where T3.CAT\_ID = category.CAT\_ID group by T3.CAT\_ID;

select product.PRO\_ID, product.PRO\_NAME from `order` inner join

supplier\_pricing on supplier\_pricing.PRICING\_ID = `order`.PRICING\_ID inner join

product on product.PRO\_ID = supplier\_pricing.PRO\_ID

where `order`.ORD\_DATE > "2021-10-05";

select customer.CUST\_NAME, customer.CUST\_GENDER from customer where customer.CUST\_NAME like 'A%' or

customer.CUST\_NAME like '%A';

use ecommercedb;

DELIMITER //

CREATE PROCEDURE proc()

BEGIN

select report.supp\_id,report.supp\_name,report.Average,

CASE

WHEN report.Average =5 THEN 'Excellent Service'

WHEN report.Average >4 THEN 'Good Service'

WHEN report.Average >2 THEN 'Average Service'

ELSE 'Poor Service'

END AS Type\_of\_Service from

(select final.supp\_id, supplier.supp\_name, final.Average from

(select test2.supp\_id, sum(test2.rat\_ratstars)/count(test2.rat\_ratstars) as Average from

(select supplier\_pricing.supp\_id, test.ORD\_ID, test.RAT\_RATSTARS from supplier\_pricing inner join

(select `order`.pricing\_id, rating.ORD\_ID, rating.RAT\_RATSTARS from `order` inner join rating on rating.`ord\_id` = `order`.ord\_id ) as test

on test.pricing\_id = supplier\_pricing.pricing\_id)

as test2 group by supplier\_pricing.supp\_id)

as final inner join supplier where final.supp\_id = supplier.supp\_id) as report;

END

//

DELIMITER ;

call proc();