1. Create Database if not exists ‘order-directory’;

Use ‘order-directory’;

create table if not exists ‘supplier’(

‘SUPP\_ID’ int primary key,

‘SUPP\_NAME’ varchar(50),

‘SUPP\_CITY’ varchar(50),

‘SUPP\_PHONE’ varchar(10)

);

Create table if not exists ‘customer’ (

‘CUS\_ID’ int NOT NULL,

‘CUS\_NAME’ varchar(50) NULL DEFAULT NULL ,

‘CUS\_PHONE’ varchar(20),

‘CUS\_CITY’ varchar(20),

‘CUS\_GENDER’ CHAR,

PRIMARY KEY(‘CUS\_ID’)

);

Create table if not exists ‘category’ (

‘CAT\_ID’ int NOT NULL,

‘CAT\_NAME’ varchar(50) NULL DEFAULT NULL ,

PRIMARY KEY (‘CAT\_ID’)

);

Create table if not exists ‘PRODUCT’ (

‘PRO\_ID’ int NOT NULL,

‘PRO\_NAME’ varchar(50) NULL DEFAULT NULL ,

‘PRO\_DESC’ varchar(50) NULL DEFAULT NULL

‘CAT\_ID’ int NOT NULL,

PRIMARY KEY(‘PRO\_ID’),

FORIEGN KEY(‘CAT\_ID’) REFERENCES Category(‘CAT\_ID’)

Create table if not exists ‘PRODUCT\_DETAILS’ (

‘PROD\_ID’ int NOT NULL,

‘PRO\_ID’ int NOT NULL,

‘SUPP\_ID’ int NOT NULL,

‘PROD\_PRICE’ int NOT NULL,

PRIMARY KEY (‘PROD\_ID’)

FOREIGN KEY(‘PRO\_ID’) REFERENCES PRODUCT(‘PRO\_ID’)

FOREIGN KEY(‘SUPP\_ID’) REFERENCES SUPPLIER(‘SUPP\_ID’)

);

Create table if not exists ‘ORDER’ (

‘ORD\_ID’ int NOT NULL,

‘ORD\_AMOUNT’ int NOT NULL,

‘ORD\_DATE’ DATE,

‘CUS\_ID’ int NOT NULL,

PROD\_ID int NOT NULL,

PRIMARY KEY(‘ORD\_ID’)

FOREIGN KEY(‘CUS\_ID’) REFERENCES CUSTOMER(‘CUS\_ID’)

FOREIGN KEY(‘PROD\_ID’) REFERENCES PRODUCT\_DETAILS(‘PROD\_ID’)

);

Create table if not exists ‘RATING’ (

‘RAT\_ID’ int NOT NULL,

‘CUS\_ID’ int NOT NULL,

‘SUPP\_ID’ int NOT NULL,

‘RAT\_RATSTARS’ int NOT NULL,

PRIMARY KEY(‘RAT\_ID’)

FOREIGN KEY(‘SUPP\_ID’) REFERENCES CUSTOMER(‘SUPP\_ID’)

FOREIGN KEY(‘CUS\_ID’) REFERENCES PRODUCT\_DETAILS(‘CUS\_ID’)

);

2.

INSERT INTO Product (PRO\_ID, PRO\_NAME, PRO\_DESC, CAT\_ID)

VALUES

(

1,

'GTA V',

'DFJDJFDJFDJFDJFJF',

2

),

(

2,

'TSHIRT',

'DFDFJDFJDKFD',

5

),

(

3,

'ROG LAPTOP',

'DFNTTNTNTERND',

4

), (

4,

'OATS',

'REURENTBTOTH',

3

),

( 5,

'HARRY POTTER',

'NBEMCTHTJTH'

1

);

----------------------------------------------------------------------------------

INSERT INTO Category (CAT\_ID, CAT\_NAME)

VALUES

(

1,

'BOOKS'

),

(

2,

'GAMES'

),

(

3,

'GROCERIES'

), (

4,

'ELECTRONICS'

),

( 5,

'CLOTHES'

);

----------------------------------------------------------------------------------------------

INSERT INTO Product\_Details (PROD\_ID, PRO\_ID, SUPP\_ID, PROD\_PRICE)

VALUES

(

1,

1,

2,

1500

),

(

2,

3,

5,

30000

),

(

3,

5,

1,

3000

), (

4,

2,

3,

2500

),

( 5,

4,

1,

1000

);

---------------------------------------------------------------------------------------------

INSERT INTO Rating (RAT\_ID, CUS\_ID, SUPP\_ID, RAT\_RATSTARS)

VALUES

(

1,

2,

2,

4

),

(

2,

3,

4,

3

),

(

3,

5,

1,

5

),

(

4,

1,

3,

2

),

( 5,

4,

5,

4

);

------------------------------------------------------------------

INSERT INTO Order\_Table (ORD\_ID, ORD\_AMOUNT, ORD\_DATE, CUS\_ID,PROD\_ID)

VALUES

(

20,

1500,

2021-10-12,

3,

5

),

(

25,

30500,

2021-09-16,

5,

2

),

(

26,

2000,

2021-10-05,

1,

1

), (

30,

3500,

2021-08-16,

4,

3

),

( 50,

2000,

2021-10-06,

2,

1

);

--------------------------------------------------------------------------------------

3.select CUS\_GENDER, count(CUS\_GENDER)

from customer c

join orders o on o.cus\_id = c.cus\_id

where o.ord\_amount>=3000

group by c.CUS\_GENDER;

4. select \* from product p where p.pro\_id =

(select pd.pro\_id from product\_details pd where pd.prod\_id =

(select o.prod\_id from orders 0 where o.CUS\_ID = 2));

5.select count(PD.SUPP\_ID) as supplier\_count,

S.SUPP\_ID as Supplier\_ID,

S.SUPP\_NAME as name,

S.SUPP\_CITY as City,

S.SUPP\_PHONE as phone

Frome\_com.Product\_Details PD

Join e\_com.supplier S on PD.SUPP\_ID = S.SUPP\_ID

Having count(PD.SUPP\_ID)>1;

6. select \*

From orders o

join product\_details pd on pd.prod\_id =o.prod\_id

join product p on p.pro\_id = pd.prod\_id

join category c on c.cat\_id = p.cat\_id

having min(o.ord\_amount);

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

FROM ‘ORDER’ O

JOIN PRODUCT\_DETAILS PD ON (O.PROD\_ID = PD.PROD\_ID)

JOIN PRODUCT P ON (P.PRO\_ID =P.PRO\_ID)

WHERE O.ORD\_DATE > ‘2021-10-05’;

8. SELECT S.SUPP\_ID , S.SUPP\_NAME , C.CUS\_NAME , R.RAT\_RATSTARS

FROM RATING R

JOIN SUPPLIER S ON (R.SUPP\_ID = S.SUPP\_ID)

JOIN CUSTOMER C ON (R.CUS\_ID = C.CUS\_ID)

ORDER BY R.RAT\_RATSTARS DESC

LIMIT 3;

9. select

c.cus\_name,c.cus\_gender from customer c.cus\_name

like ‘A%’ or c.cus\_name like ‘%A’;

10. SELECT

SUM(o.ord\_amount)

FROM

orders o,

customer c

WHERE

c.cus\_id = o.cus\_id

AND c.cus\_gender = ‘M’

11. select \* from customers

LEFT OUTER JOIN order sum c.cus\_id , o.cust\_id;

12. SELECT \*

FROM

supplier s

JOIN

rating r ON r.supp\_id = s.supp\_id

WHERE

r.RAT\_RATSTARS > 2 & r.RAT\_RATSTARS <= 4;