create database order_process; use

order_process;

CREATING TABLES:

create table customer(cust_no int primary key auto_increment,cname varchar(20),city varchar(28));

create table order1(order_no int primary key,odate date,cust_no int,ord_amt int,foreign key(cust_no) references customer(cust_no)); create table item(item_no int primary key,unit_price int);

create table order1_item(order_no int,item_no int primary key,qty int,foreign key(order_no) references order1(order_no),foreign key(item_no) references item(item_no) on delete cascade);

create table warehouse(warehouse_no int primary key,city varchar(28));

create table shipment(order_no int primary key,ship_date date,warehouse_no int,foreign key(order_no) references order1(order_no)); alter table order1_item drop foreign key item_no ; insert into customer(cname,city) values

("Varad","bangalore"),("Vara","bangalore"),("lucy","mysore"),("aria","mumbai"),("em ily","mysore"); select * from customer;

INSERTING VALUES

insert into order1(order_no,odate,cust_no,ord_amt) values ("463","2020-03-17",5,666); select

* from order1;

insert into item(item_no,unit_price) values
(11,5),(22,666),(33,6300),(44,2300),(55,666),(66,7370),(77,7300),(88,400); select

* from item;

insert into order1_item(order_no,item_no,qty) values
(123,11,1),(435,22,1),(441,33,2),(444,44,2),(445,55,1),(485,66,1); select

* from order1_item;

insert into warehouse(warehouse_no ,city) values
(50,"bangalore"),(51,"bangalore"),(52,"mysore"),(53,"mumbai"),(54,"mysore");
select * from warehouse;

QUERIES:

insert into shipment(order_no,ship_date,warehouse_no) values (123,'2020-03-30',50),(435,'2020-03-31',51),(441,'2020-03-30',52),(444,'2020-03-28',53),(445,'2020-03-27',54),(485,'2020-03-27',54); select

* from shipment;

select cname,count(order_no) as no_of_orders,avg(ord_amt) as avg_amt from customer c,order1 o where c.cust_no=o.cust_no group by c.cust_no;

select city,order_no from shipment s join warehouse w on s.warehouse_no=w.warehouse_no group by s.warehouse_no ; delete from item where item_no=10;

set sql_safe_updates=0;

Customer table

```
12 •   insert into customer(cname,city) values ("Varad","bangalore"),("Vara","bangalore"),("lucy","mysore"),("aria","mumbai"),("em ily","mysore"); select * from customer
13
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

cust_no	cname	city
1	Varad	bangalore
2	Vara	bangalore
3	lucy	mysore
4	aria	mumbai
5	em ily	mysore
NULL	NULL	NULL

Order table

Result Grid | Filter Rows:

order_no	odate	cust_no	ord_amt
123	2020-03-02	1	5
435	2020-03-17	5	666
441	2020-03-24	3	6300
444	2020-03-18	2	2300
445	2020-02-17	4	666
460	2020-03-17	3	6300
463	2020-03-17	5	666
485	2020-03-17	4	7370
487	2020-03-11	3	7300
1224	2020 02 02	1	400

Item table

	item_no	unit_price
▶	10	5
	22	666
	33	6300
	44	2300
	55	666
	66	7370
	77	7300
	88	400
*	NULL	NULL

item 19 ✕

Order item table

	order_no	item_no	qty
▶	123	10	1
	435	22	1
	441	33	2
	444	44	2
	445	55	1
	485	66	1
*	NULL	NULL	NULL

Warehouse table

	warehouse_no	city
▶	50	bangalore
	51	bangalore
	52	mysore
	53	mumbai
	54	mysore
*	NULL	NULL

Shipment table

order_no	ship_date	warehouse_no	
123	2020-03-30	50	
435	2020-03-31	51	51
441	2020-03-30	52	
444	2020-03-28	53	
445	2020-03-27	54	
485	2020-03-27	54	
NULL	NULL	NULL	

Queries:

3.

4.

```
select city,order_no from shipment s join warehouse w on s.warehouse_no=w.warehouse_no group by s.warehouse_no ;
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content: IA

city	order_no
bangalore	123
bangalore	435
mysore	441
mumbai	444
mysore	445

5.

```
31 •     delete from item where item_no=10;
32 •     select * from order1_item;
```

order_no	item_no	qty
435	22	1
441	33	2
444	44	2
445	55	1
485	66	1
NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: