```sql
create database order_processing;
show databases;
use order_processing;
create table customer(
cust_no int,
cname varchar(20),
city varchar(20),
primary key(cust_no)
);
create table cust_order(
order_no int,
odate date,
cust_no int,
ord_amt int,
primary key(order_no),
foreign key(cust_no) references customer(cust_no)
);
create table item(
items int,
unit_price int,
primary key(items)
);
create table order_items(
```

```sql
22      );
23  •  ⊖  create table order_items(
24          order_no int,
25          items int,
26          qty int,
27          foreign key(order_no) references cust_order(order_no),
28          foreign key(items) references item(items)
29      );
30  •  ⊖  create table warehouse(
31          warehouse_no int,
32          city varchar(20),
33          primary key(warehouse_no)
34      );
35  •  ⊖  create table shipment(
36          order_no int,
37          warehouse_no int,
38          ship_date date,
39          foreign key(order_no) references cust_order(order_no),
40          foreign key(warehouse_no) references warehouse(warehouse_no)
41      );
42  •      insert into customer values (771,'PUSHPA K','BANGALORE');
43  •      insert into customer values (772,'SUMAN','MUMBAI');
44  •      insert into customer values (773,'SOURAV','CALICUT');
```

```sql
44   insert into customer values (773,'SOURAV','CALICUT');
45   insert into customer values (774,'LAILA','HYDERABAD');
46   insert into customer values (775,'FAIZAL','BANGALORE');
47   commit;
48   select * from customer;
49   insert into cust_order values (111,'22-01-02',771,18000);
50   insert into cust_order values (112,'30-07-02',774,6000);
51   insert into cust_order values (113,'03-04-03',775,9000);
52   insert into cust_order values (114,'03-09-03',775,29000);
53   insert into cust_order values (115,'10-12-03',773,29000);
54   insert into cust_order values (116,'19-08-04',772,56000);
55   insert into cust_order values (117,'10-09-04',771,20000);
56   insert into cust_order values (118,'20-11-04',775,29000);
57   insert into cust_order values (119,'13-02-05',774,29000);
58   insert into cust_order values (120,'13-10-05',775,29000);
59   commit;
60   select * from cust_order;
61   insert into item values (5001,503);
62   insert into item values (5002,750);
63   insert into item values (5003,150);
64   insert into item values (5004,600);
65   insert into item values (5005,890);
66   commit;
```

```sql
65   insert into item values (5005,890);
66   commit;
67   select * from item;
68   insert into order_items values (111,5001,50);
69   insert into order_items values (112,5003,20);
70   insert into order_items values (113,5002,50);
71   insert into order_items values (114,5005,60);
72   insert into order_items values (115,5004,90);
73   insert into order_items values (116,5001,10);
74   insert into order_items values (117,5003,80);
75   insert into order_items values (118,5002,50);
76   insert into order_items values (119,5005,10);
77   insert into order_items values (120,5004,45);
78   commit;
79   select * from order_items;
80   insert into warehouse values (1,'DELHI');
81   insert into warehouse values (2,'BOMBAY');
82   insert into warehouse values (3,'CHENNAI');
83   insert into warehouse values (4,'BANGALORE');
84   insert into warehouse values (5,'BANGALORE');
85   insert into warehouse values (6,'DELHI');
86   insert into warehouse values (7,'BOMBAY');
87   insert into warehouse values (8,'CHENNAI');
```

```sql
 86 ●    insert into warehouse values (7,'BOMBAY');
 87 ●    insert into warehouse values (8,'CHENNAI');
 88 ●    insert into warehouse values (9,'DELHI');
 89 ●    insert into warehouse values (10,'BANGALORE');
 90 ●    commit;
 91 ●    select * from warehouse;
 92 ●    insert into shipment values (111,1,10-02-02);
 93 ●    insert into shipment values (112,5,10-09-02);
 94 ●    insert into shipment values (113,8,10-02-03);
 95 ●    insert into shipment values (114,3,10-12-03);
 96 ●    insert into shipment values (115,9,19-01-04);
 97 ●    insert into shipment values (116,1,20-09-04);
 98 ●    insert into shipment values (117,5,10-09-04);
 99 ●    insert into shipment values (118,7,30-11-04);
100 ●    insert into shipment values (119,7,30-04-05);
101 ●    insert into shipment values (120,6,21-12-05);
102 ●    commit;
103 ●    select * from shipment;
104
105 ●    select C.cname,COUNT(O.order_no),avg(O.ord_amt)
106      from customer C,cust_order O
107      where C.cust_no=O.cust_no group by O.cust_no;
108
```

```sql
 94 •    insert into shipment values (113,8,10-02-03);
 95 •    insert into shipment values (114,3,10-12-03);
 96 •    insert into shipment values (115,9,19-01-04);
 97 •    insert into shipment values (116,1,20-09-04);
 98 •    insert into shipment values (117,5,10-09-04);
 99 •    insert into shipment values (118,7,30-11-04);
100 •    insert into shipment values (119,7,30-04-05);
101 •    insert into shipment values (120,6,21-12-05);
102 •    commit;
103 •    select * from shipment;
104
105 •    select C.cname,COUNT(O.order_no),avg(O.ord_amt)
106      from customer C,cust_order O
107      where C.cust_no=O.cust_no group by O.cust_no;
108
109 •    select o.order_no from cust_order o, warehouse w, shipment s
110      where o.order_no=s.order_no and s.warehouse_no=w.warehouse_no and w.city='DELHI';
111
112
113 •    delete from item where items=5003 ;
114
115
```

```
48 •    select * from customer;
49 •    insert into cust_order values (111,'22-01-02',771,18000);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: $\overline{I}\overline{A}$

cust_no	cname	city
771	PUSHPA K	BANGALORE
772	SUMAN	MUMBAI
773	SOURAV	CALICUT
774	LAILA	HYDERABAD
775	FAIZAL	BANGALORE
NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

customer 21 ✕

Apply   Revert

```
60 •     select * from cust_order;
61 •     insert into item values (5001,503);
```

Result Grid | | Filter Rows: [   ] | Edit: | Export/Import: | Wrap Cell Content: $\overline{IA}$

	order_no	odate	cust_no	ord_amt
▶	111	2022-01-02	771	18000
	112	2030-07-02	774	6000
	113	2003-04-03	775	9000
	114	2003-11-03	775	29000
	115	2010-12-03	773	29000
	116	2019-08-04	772	56000
	117	2010-09-04	771	20000
	118	2020-11-04	775	29000
	119	2013-02-05	774	29000
	120	2013-10-05	774	29000
*	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

cust_order 22 ✕

Apply   Revert

```
67  •    select * from item;
68  •    insert into order_items values (111,5001,50);
```

	items	unit_price
▶	5001	503
	5002	750
	5003	150
	5004	600
	5005	890
*	NULL	NULL

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

Result Grid

Form Editor

Field Types

Query Stats

item 23 ✕   Apply   Revert

```sql
79 ● select * from order_items;
80 ● insert into warehouse values (1,'DELHI');
81 ● insert into warehouse values (2,'BOMBAY');
82 ● insert into warehouse values (3,'CHENNAI');
83 ● insert into warehouse values (4,'BANGALORE');
```

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

order_no	items	qty
111	5001	50
112	5003	20
113	5002	50
114	5005	60
115	5004	90
116	5001	10
117	5003	80
118	5002	50
119	5005	10
120	5004	45
NULL	NULL	NULL

Result Grid · Form Editor · Field Types · Query Stats

order_items 24 ✕

Apply   Revert

```
91 •   select * from warehouse;
92 •   insert into shipment values (111,1,10-02-02);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: $\overline{I}A$

warehouse_no	city
1	DELHI
2	BOMBAY
3	CHENNAI
4	BANGALORE
5	BANGALORE
6	DELHI
7	BOMBAY
8	CHENNAI
9	DELHI
10	BANGALORE
NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

warehouse 25 ×

Apply   Revert

```
103 ●    select * from shipment;
104
```

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

	order_no	warehouse_no	ship_date
▶	111	1	2010-02-02
	112	5	2010-09-02
	113	8	2010-02-03
	114	3	2010-12-03
	115	9	2019-01-04
	116	1	2020-09-04
	117	5	2010-09-04
	118	7	2030-11-04
	119	7	2030-04-05
	120	6	2021-12-05
*	NULL	NULL	NULL

Result Grid
Form Editor
Field Types
Query Stats

shipment 26 ✕

Apply   Revert

```
105  ●      select C.cname,COUNT(O.order_no),avg(O.ord_amt)
106          from customer C,cust_order O
107          where C.cust_no=O.cust_no group by O.cust_no;
108
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

cname	COUNT(O.order_no)	avg(O.ord_amt)
PUSHPA K	2	19000.0000
LAILA	3	21333.3333
FAIZAL	3	22333.3333
SOURAV	1	29000.0000
SUMAN	1	56000.0000

Result Grid

Form Editor

Field Types

Query Stats

Result 27 ✕   ❶ Read Only

```sql
109 ●    select o.order_no from cust_order o, warehouse w, shipment s
110      where o.order_no=s.order_no and s.warehouse_no=w.warehouse_no and w.city='DELHI';
111
```

order_no
111
115
116
120

Read Only

```
113 ●    delete from item where items=5003 ;
114
115
```

Result Grid | Filter Rows: [   ] | Edit: ✎ 🗒 🗒 | Export/Import: 🗐 🗐 | Wrap Cell Content: 🔤

	items	unit_price
▶	5001	503
	5002	750
	5004	600
	5005	890
✱	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

item 29 ✕   Apply   Revert