

```
16
17 • insert into CUSTOMER values(771, 'Pushpa K', 'Bangalore');
18 • insert into CUSTOMER values(772, 'Suman', 'Mumbai');
19 • insert into CUSTOMER values(773, 'Sourav', 'Calicut');
20 • insert into CUSTOMER values(774, 'Laila', 'Hyderabad');
21 • insert into CUSTOMER values(775, 'Faizal', 'Bangalore');
22 • select * from CUSTOMER;
23
24 • insert into CORDER values(111, '2002-01-22', 771, 18000);
25 • insert into CORDER values(112, '2002-07-30', 774, 6000);
26 • insert into CORDER values(113, '2003-04-03', 775, 9000);
27 • insert into CORDER values(114, '2003-11-03', 775, 29000);
28 • insert into CORDER values(115, '2003-12-10', 773, 29000);
```

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

| | Cust_Number | Cname | City |
|---|-------------|----------|-----------|
| ▶ | 771 | Pushpa K | Bangalore |
| | 772 | Suman | Mumbai |
| | 773 | Sourav | Calicut |
| | 774 | Laila | Hyderabad |
| | 775 | Faizal | Bangalore |
| • | NULL | NULL | NULL |

```

24 • insert into CORDER values(111, '2002-01-22', 771, 18000);
25 • insert into CORDER values(112, '2002-07-30', 774, 6000);
26 • insert into CORDER values(113, '2003-04-03', 775, 9000);
27 • insert into CORDER values(114, '2003-11-03', 775, 29000);
28 • insert into CORDER values(115, '2003-12-10', 773, 29000);
29 • insert into CORDER values(116, '2004-08-19', 772, 56000);
30 • insert into CORDER values(117, '2004-09-10', 771, 20000);
31 • insert into CORDER values(118, '2004-11-20', 775, 29000);
32 • insert into CORDER values(119, '2005-02-13', 774, 29000);
33 • insert into CORDER values(120, '2005-10-13', 775, 29000);
34 • select * from CORDER;
35
36 • insert into CITEM values(5001, 503);
37 • insert into CITEM values(5002, 750);
38 • insert into CITEM values(5003, 150);
39 • insert into CITEM values(5004, 600);
40 • insert into CITEM values(5005, 890);

```

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

| | Order_Number | Odate | Cust_Number | Order_Amt |
|---|--------------|------------|-------------|-----------|
| ▶ | 111 | 2002-01-22 | 771 | 18000 |
| | 112 | 2002-07-30 | 774 | 6000 |
| | 113 | 2003-04-03 | 775 | 9000 |
| | 114 | 2003-11-03 | 775 | 29000 |
| | 115 | 2003-12-10 | 773 | 29000 |
| | 116 | 2004-08-19 | 772 | 56000 |
| | 117 | 2004-09-10 | 771 | 20000 |
| | 118 | 2004-11-20 | 775 | 29000 |
| | 119 | 2005-02-13 | 774 | 29000 |

CORDER 11 x

Apply

Revert

Context

Output

```

35
36 • insert into CITEM values(5001, 503);
37 • insert into CITEM values(5002, 750);
38 • insert into CITEM values(5003, 150);
39 • insert into CITEM values(5004, 600);
40 • insert into CITEM values(5005, 890);
41 • select * from CITEM;
42
43 • insert into CORDER_ITEM values(111, 5001, 50);
44 • insert into CORDER_ITEM values(112, 5003, 20);
45 • insert into CORDER_ITEM values(113, 5002, 50);
46 • insert into CORDER_ITEM values(114, 5005, 60);
47 • insert into CORDER_ITEM values(115, 5004, 90);
48 • insert into CORDER_ITEM values(116, 5001, 10);
49 • insert into CORDER_ITEM values(117, 5003, 80);

```

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

| | Item_Number | Unit_Price |
|---|-------------|------------|
| ▶ | 5001 | 503 |
| | 5002 | 750 |
| | 5003 | 150 |
| | 5004 | 600 |
| | 5005 | 890 |
| • | NULL | NULL |


```

43 • insert into CORDER_ITEM values(111, 5001, 50);
44 • insert into CORDER_ITEM values(112, 5003, 20);
45 • insert into CORDER_ITEM values(113, 5002, 50);
46 • insert into CORDER_ITEM values(114, 5005, 60);
47 • insert into CORDER_ITEM values(115, 5004, 90);
48 • insert into CORDER_ITEM values(116, 5001, 10);
49 • insert into CORDER_ITEM values(117, 5003, 80);
50 • insert into CORDER_ITEM values(118, 5005, 50);
51 • insert into CORDER_ITEM values(119, 5002, 10);
52 • insert into CORDER_ITEM values(120, 5004, 45);
53 • select * from CORDER_ITEM;
54
55 • insert into WAREHOUSE values(1, 'Delhi');
56 • insert into WAREHOUSE values(2, 'Bombay');
57 • insert into WAREHOUSE values(3, 'Chennai');
58 • insert into WAREHOUSE values(4, 'Bangalore');
59 • insert into WAREHOUSE values(5, 'Bangalore');

```

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

| | Order_Number | Item_Number | Qty |
|---|--------------|-------------|-----|
| ▶ | 111 | 5001 | 50 |
| | 112 | 5003 | 20 |
| | 113 | 5002 | 50 |
| | 114 | 5005 | 60 |
| | 115 | 5004 | 90 |
| | 116 | 5001 | 10 |
| | 117 | 5003 | 80 |
| | 118 | 5005 | 50 |
| | 119 | 5002 | 10 |
| | 120 | 5004 | 45 |

```

55 • insert into WAREHOUSE values(1, 'Delhi');
56 • insert into WAREHOUSE values(2, 'Bombay');
57 • insert into WAREHOUSE values(3, 'Chennai');
58 • insert into WAREHOUSE values(4, 'Bangalore');
59 • insert into WAREHOUSE values(5, 'Bangalore');
60 • insert into WAREHOUSE values(6, 'Delhi');
61 • insert into WAREHOUSE values(7, 'Bombay');
62 • insert into WAREHOUSE values(8, 'Chennai');
63 • insert into WAREHOUSE values(9, 'Delhi');
64 • insert into WAREHOUSE values(10, 'Bangalore');
65 • select * from WAREHOUSE;
66
67 • insert into SHIPMENT values(111, 1, '2002-02-10');
68 • insert into SHIPMENT values(112, 5, '2002-09-10');
69 • insert into SHIPMENT values(113, 8, '2003-02-10');
70 • insert into SHIPMENT values(114, 3, '2003-12-10');
71 • insert into SHIPMENT values(115, 9, '2004-01-19');

```

Result Grid



Filter Rows:

Edit:



Export/Import:



Wrap Cell Content:

| | Warehouse_Number | City |
|---|------------------|-----------|
| ▶ | 1 | Delhi |
| | 2 | Bombay |
| | 3 | Chennai |
| | 4 | Bangalore |
| | 5 | Bangalore |
| | 6 | Delhi |
| | 7 | Bombay |
| | 8 | Chennai |
| | 9 | Delhi |
| | 10 | Bangalore |

```

66
67 • insert into SHIPMENT values(111, 1, '2002-02-10');
68 • insert into SHIPMENT values(112, 5, '2002-09-10');
69 • insert into SHIPMENT values(113, 8, '2003-02-10');
70 • insert into SHIPMENT values(114, 3, '2003-12-10');
71 • insert into SHIPMENT values(115, 9, '2004-01-19');
72 • insert into SHIPMENT values(116, 1, '2004-09-20');
73 • insert into SHIPMENT values(117, 5, '2004-09-10');
74 • insert into SHIPMENT values(118, 7, '2004-11-30');
75 • insert into SHIPMENT values(119, 7, '2005-04-30');
76 • insert into SHIPMENT values(120, 6, '2005-12-21');
77 • select * from SHIPMENT;

```

78

```

79 • select C.Cname, count(O.Order_Number) as Number_Of_Orders, AVG(O.Order_Amt) as Avg_Amount
80 from CUSTOMER C, CORDER O where C.Cust_Number=O.Cust_Number group by O.Cust_Number;

```

<

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



| | Order_Number | Warehouse_Number | Shipment_Date |
|---|--------------|------------------|---------------|
| ▶ | 111 | 1 | 2002-02-10 |
| | 112 | 5 | 2002-09-10 |
| | 113 | 8 | 2003-02-10 |
| | 114 | 3 | 2003-12-10 |
| | 115 | 9 | 2004-01-19 |
| | 116 | 1 | 2004-09-20 |
| | 117 | 5 | 2004-09-10 |
| | 118 | 7 | 2004-11-30 |
| | 119 | 7 | 2005-04-30 |
| | 120 | 6 | 2005-12-21 |

78

```
79 • select C.Cname, count(O.Order_Number) as Number_Of_Orders, AVG(O.Order_Amt) as Avg_Amount  
80 from CUSTOMER C, CORDER O where C.Cust_Number=O.Cust_Number group by O.Cust_Number;
```

81

```
82 • select S.Order_Number from SHIPMENT S, WAREHOUSE W where S.Warehouse_Number=W.Warehouse_Number and
```

83

```
84 • delete from CITEM where Item_Number=5005;
```

```
85 • select * from CITEM;
```

```
86 • select * from CORDER_ITEM;
```

<

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



| | Cname | Number_Of_Orders | Avg_Amount |
|---|----------|------------------|------------|
| ▶ | Pushpa K | 2 | 19000.0000 |
| | Suman | 1 | 56000.0000 |
| | Sourav | 1 | 29000.0000 |
| | Laila | 2 | 17500.0000 |
| | Faizal | 4 | 24000.0000 |

81

82 • `select S.Order_Number from SHIPMENT S, WAREHOUSE W where S.Warehouse_Number=W.Warehouse_Number and W.city='Delhi';`

83



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



| | Order_Number |
|---|--------------|
| ▶ | 111 |
| | 116 |
| | 120 |
| | 115 |


```
83
84 • delete from CITEM where Item_Number=5005;
85 • select * from CITEM;
86 • select * from CORDER_ITEM;
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



| | Order_Number | Item_Number | Qty |
|---|--------------|-------------|-----|
| ▶ | 111 | 5001 | 50 |
| | 112 | 5003 | 20 |
| | 113 | 5002 | 50 |
| | 114 | NULL | 60 |
| | 115 | 5004 | 90 |
| | 116 | 5001 | 10 |
| | 117 | 5003 | 80 |
| | 118 | NULL | 50 |
| | 119 | 5002 | 10 |
| | 120 | 5004 | 45 |

CITEM 18

CORDER_ITEM 19 x