

Lab -3 order processing

The screenshot displays the MySQL Workbench interface during a query execution session. The main window shows a SQL query in the editor, which is a multi-statement script for order processing. The query includes a SELECT statement to retrieve order details, followed by several DELETE and SELECT statements to demonstrate data manipulation. The query is executed, and the results are displayed in the 'Result Grid' tab, showing a list of customers with their IDs, names, and cities.

Query 1:

```
114 • SELECT order_no FROM WAREHOUSE W, SHIPMENT S WHERE W.warehouseno=S.warehouseno AND CITY=
115 • /*Demonstrate how you delete item# 10 from the ITEM table and make that field null in the
116 • delete from ITEM where item_no=5005;
117 • select *from ITEM;
118 • select *from ORDER_ITEM;
```

Result Grid:

cust_no	cname	city
771	PUSHPA K	BANGALORE
772	SUNAM	MUMBAI
773	SOURAV	CALCUT
774	LAILA	HYDERABAD
775	FAIZAL	BANGALORE

Action Output:

#	Time	Action	Message	Duration / Fetch
72	01:52:08	insert into SHIPMENT(order_no,warehouseno,ship_date)values(119,7,30-04-05)	1 row(s) affected	0.016 sec
73	01:52:08	insert into SHIPMENT(order_no,warehouseno,ship_date)values(120,6,21-12-05)	1 row(s) affected	0.000 sec
74	01:52:08	COMMIT	0 row(s) affected	0.000 sec
75	01:52:08	desc SHIPMENT	3 row(s) returned	0.000 sec / 0.000 sec
76	01:52:08	SELECT *FROM SHIPMENT LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
77	01:52:08	SELECT C.CNAME as CUSTNAME, COUNT(*) as no_of_orders,AVG(Ord_Amt) as AVG_ORDER_AMT FRO...	5 row(s) returned	0.000 sec / 0.000 sec
78	01:52:08	SELECT order_no FROM WAREHOUSE W, SHIPMENT S WHERE W.warehouseno=S.warehouseno AND C...	2 row(s) returned	0.000 sec / 0.000 sec
79	01:52:08	delete from ITEM where item_no=5005	1 row(s) affected	0.000 sec
80	01:52:08	select *from ITEM LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
81	01:52:08	select *from ORDER_ITEM LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

The interface also shows the 'Schemas' pane on the left, the 'Navigator' pane, and the 'Output' pane at the bottom. The status bar at the bottom indicates the current session and the time/date.

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank

Tables

Views

Stored Procedures

Functions

Insurance

Query 1

Limit to 1000 rows

59 • insert into ORDERS(order_no,odate,cust_no,ord_Amt)values(120,'13-10-05',775,29000);

60 • COMMIT;

61 • desc ORDERS;

62 • SELECT *FROM ORDERS;

63 • insert into ITEM(item_no,unit_price)values(5001,503);

Result Grid

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

Output

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
72	01:52:08	insert into SHIPMENT(order_no,warehouse,ship_date)values(119,7,30-04-05)	1 row(s) affected	0.016 sec
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Object Info Session

01:58 12-05-2021

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank

Tables

Views

Stored Procedures

Functions

Insurance

Query 1

Limit to 1000 rows

69 • desc ITEM;

70 • SELECT *FROM ITEM;

71 • insert into ORDER_ITEM(order_no,item_no,qty)values(111,5001,50);

72 • insert into ORDER_ITEM(order_no,item_no,qty)values(112,5003,20);

73 • insert into ORDER_ITEM(order_no,item_no,qty)values(113,5002,50);

Result Grid

item_no	unit_price
5001	503
5002	750
5003	150
5004	600
5005	890

Output

No object selected

Action Output

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01:58 12-05-2021

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank

Tables

Views

Stored Procedures

Functions

Insurance

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```

96 SELECT *FROM WAREHOUSE;
97 insert into SHIPMENT(order_no,warehouseno,ship_date)values(111,1,'10-02-02');
98 insert into SHIPMENT(order_no,warehouseno,ship_date)values(112,5,'10-09-02');
99 insert into SHIPMENT(order_no,warehouseno,ship_date)values(113,8,'10-02-03');
100 insert into SHIPMENT(order_no,warehouseno,ship_date)values(114,3,'10-12-03');

```

Result Grid

warehouseno	city
1	DELHI
2	BOMBAY
3	CHENNAI
4	BANGALORE
5	BANGALORE
6	DELHI
7	BOMBAY
8	CHENNAI
9	DELHI

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

#	Time	Action	Message	Duration / Fetch
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Object Info Session

Search

0200 12-05-2021

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank

Tables

Views

Stored Procedures

Functions

Insurance

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

```

106 insert into SHIPMENT(order_no,warehouseno,ship_date)values(120,6,'21-12-05');
107 COMMIT;
108 desc SHIPMENT;
109 SELECT *FROM SHIPMENT;
110 /*Produce a listing: CUSTNAME, #oforders, AVG_ORDER_AMT, where the middle column

```

Result Grid

order_no	item_no	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

SQLAdditions

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Output

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Object Info Session

Search

0201 12-05-2021

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank

insurance

Query 1

Limit to 1000 rows

110 /*Produce a listing: CUSTNAME, #oforders, AVG_ORDER_AMT, where the middle column

111 is the total numbers of orders by the customer and the last column is the average order

112 SELECT C.CNAME as CUSTNAME, COUNT(*) as no_of_orders,AVG(0.ord_Amt) as AVG_ORDER_AMT FROM

113 /*List the order# for orders that were shipped from all warehouses that the company has

114 SELECT order_no FROM WAREHOUSE W, SHIPMENT S WHERE W.warehouseno=S.warehouseno AND CITY='

115 /*Demonstrate how you delete item# 10 from the ITEM table and make that field null in the

116 delete from ITEM where item no=5005;

Result Grid

CUSTNAME	no_of_orders	AVG_ORDER_AMT
PUSHPA K	2	19000.0000
SUMAN	1	56000.0000
SOURAV	1	29000.0000
LAILA	2	17500.0000
FAIZAL	4	24000.0000

Administration Schemas

Information

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
73	02:38:07	insert into SHIPMENT(order_no,warehouseno,ship_date)values(119,7,30-04-05)	1 row(s) affected	0.015 sec
74	02:38:07	insert into SHIPMENT(order_no,warehouseno,ship_date)values(120,6,21-12-05)	1 row(s) affected	0.000 sec
75	02:38:07	COMMIT	0 row(s) affected	0.000 sec
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82	02:38:07	select *from ORDER_ITEM LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Search

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MySQL Workbench

order processing x

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bank

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116 delete from ITEM where item no=5005;

117 select *from ITEM;

118 select *from ORDER_ITEM;

Result Grid

Field	Type	Null	Key	Default	Extra
order_no	int	YES	MUL		
warehouseno	int	YES	MUL		
ship_date	date	YES			

Administration Schemas

Information

No object selected

Output

Action Output

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Object Info Session

Search

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MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

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Query 1

Limit to 1000 rows

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Result Grid

Filter Rows: Export: Wrap Cell Contents

order_no

112

117

Administration Schemas

Information

No object selected

Output

Action Output

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Object Info Session

Result 9 WAREHOUSE 10 Result 11 SHIPMENT 12 Result 13 Result 14 x ITEM 15 Read Only 3M 1 Context Help Snippets

Windows Taskbar: Search, O, C, F, E, G, ENG, 02:53, 12-05-2021

MySQL Workbench

order processing x

File Edit View Query Database Server Tools Scripting Help

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Query 1

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Result Grid

item_no	unit_price
5001	503
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Object Info Session

Search

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Result Grid

order_no	item_no	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

Administration Schemas

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No object selected

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Action Output

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Search

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