

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

acme

sakila

student

sys

world

SQL File 6*

Limit to 1000 rows

1

2

3

4

5

CREATE DATABASE INSURANCE;

SHOW DATABASES;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Database

acme

information_schema

insurance

mysql

performance_schema

Administration

Schemas

Information

No object selected

Object Info

Session

Result 4

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	20:36:17	CREATE DATABASE INSURANCE	1 row(s) affected	0.125 sec
2	20:36:28	SHOW DATABASES	9 row(s) returned	0.063 sec / 0.000 sec

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

- acme
- sakila
- student
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- world

SQL File 6* x



Limit to 1000 rows

```
6
7 • CREATE TABLE PERSON (
8     DRIVER_ID VARCHAR(10),
9     PNAME VARCHAR(30),
10    ADDRESS VARCHAR(50),
11    PRIMARY KEY(DRIVER_ID)
12 );
13
14 • SELECT * FROM PERSON;
```

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

	DRIVER_ID	PNAME	ADDRESS
*	NULL	NULL	NULL

Result Grid

Administration Schemas

Information

No object selected

Object Info Session

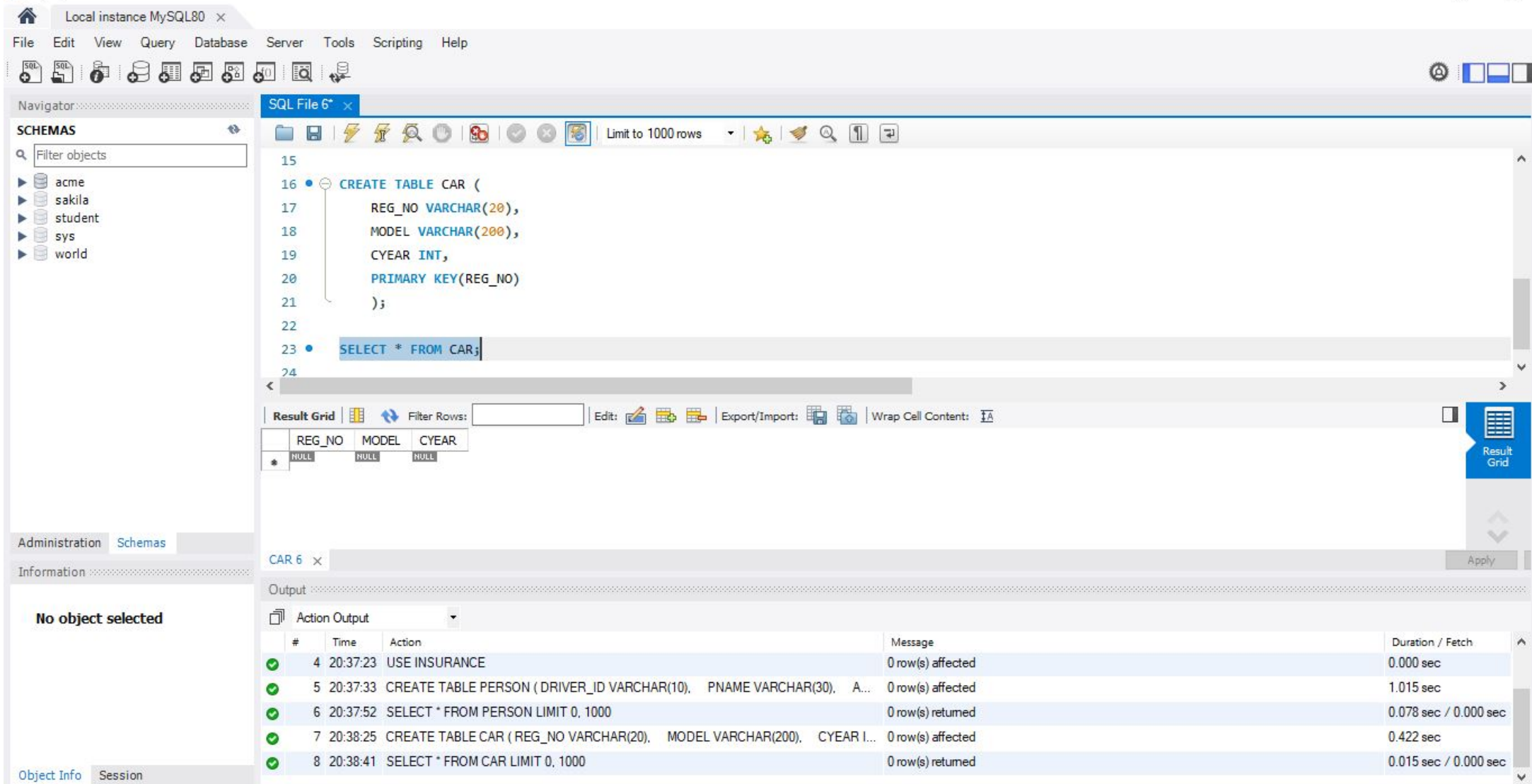
PERSON 5 x

Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	20:36:28	SHOW DATABASES	9 row(s) returned	0.063 sec / 0.000 sec
✓ 3	20:37:03	USE INSURANCE	0 row(s) affected	0.000 sec
✓ 4	20:37:23	USE INSURANCE	0 row(s) affected	0.000 sec
✓ 5	20:37:33	CREATE TABLE PERSON (DRIVER_ID VARCHAR(10), PNAME VARCHAR(30), A...	0 row(s) affected	1.015 sec
✓ 6	20:37:52	SELECT * FROM PERSON LIMIT 0, 1000	0 row(s) returned	0.078 sec / 0.000 sec



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AdministrationSchemas

No object selected

Object InfoSession

SQL File 6*

Limit to 1000 rows

24

25 • CREATE TABLE ACCIDENT(
26 REPORT_NUMBER INT,
27 ADATE DATE,
28 LOCATION VARCHAR(30),
29 PRIMARY KEY(REPORT_NUMBER)
30);
31
32 • SELECT * FROM ACCIDENT;
33

Result Grid

Filter Rows:

Edit:Export/Import:Wrap Cell Content:

REPORT_NUMBERADATELOCATION

*NULLNULLNULL

ACCIDENT 7

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	20:37:52	SELECT * FROM PERSON LIMIT 0, 1000	0 row(s) returned	0.078 sec / 0.000 sec
7	20:38:25	CREATE TABLE CAR (REG_NO VARCHAR(20), MODEL VARCHAR(200), CYEAR I...	0 row(s) affected	0.422 sec
8	20:38:41	SELECT * FROM CAR LIMIT 0, 1000	0 row(s) returned	0.015 sec / 0.000 sec
9	20:39:19	CREATE TABLE ACCIDENT(REPORT_NUMBER INT, ADATE DATE, LOCATION ...	0 row(s) affected	0.922 sec
10	20:39:38	SELECT * FROM ACCIDENT LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec



Navigator

SCHEMAS

Filter objects

- ▶ acme
- ▶ sakila
- ▶ student
- ▶ sys
- ▶ world

SQL File 6* ×



Limit to 1000 rows

```
35 • CREATE TABLE OWNS (  
36     DRIVER_ID VARCHAR(20),  
37     REG_NO VARCHAR(20),  
38     PRIMARY KEY(DRIVER_ID, REG_NO),  
39     FOREIGN KEY(DRIVER_ID) REFERENCES PERSON(DRIVER_ID) ON DELETE CASCADE,  
40     FOREIGN KEY(REG_NO) REFERENCES CAR(REG_NO) ON DELETE CASCADE  
41 );  
42  
43 • SELECT * FROM OWNS;  
44
```

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

	DRIVER_ID	REG_NO
*	NULL	NULL

Result Grid

Administration Schemas

Information

No object selected

OWNS 8 ×

Apply

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 8	20:38:41	SELECT * FROM CAR LIMIT 0, 1000	0 row(s) returned	0.015 sec / 0.000 sec
✓ 9	20:39:19	CREATE TABLE ACCIDENT(REPORT_NUMBER INT, ADATE DATE, LOCATION ...	0 row(s) affected	0.922 sec
✓ 10	20:39:38	SELECT * FROM ACCIDENT LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	20:41:38	CREATE TABLE OWNS (DRIVER_ID VARCHAR(20), REG_NO VARCHAR(20), PRI...	0 row(s) affected	0.968 sec
✓ 12	20:41:55	SELECT * FROM OWNS LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

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Information

No object selected

Object InfoSession

SQL File 6*

Limit to 1000 rows

46 DRIVER_ID VARCHAR(20),
47 REG_NO VARCHAR(20),
48 REPORT_NO INT,
49 DAMAGE_AMT INT,
50 FOREIGN KEY(DRIVER_ID, REG_NO) REFERENCES OWNS(DRIVER_ID, REG_NO) ON DELETE CASCADE,
51 FOREIGN KEY(REPORT_NO) REFERENCES ACCIDENT(REPORT_NUMBER) ON DELETE CASCADE
52);
53
54 • SELECT * FROM PARTICIPATED;
55

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

DRIVER_IDREG_NOREPORT_NODAMAGE_AMT

PARTICIPATED 9

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 10	20:39:38	SELECT * FROM ACCIDENT LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 11	20:41:38	CREATE TABLE OWNS (DRIVER_ID VARCHAR(20), REG_NO VARCHAR(20), PRI...	0 row(s) affected	0.968 sec
✓ 12	20:41:55	SELECT * FROM OWNS LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 13	20:44:20	CREATE TABLE PARTICIPATED (DRIVER_ID VARCHAR(20), REG_NO VARCHAR(2...	0 row(s) affected	0.640 sec
✓ 14	20:44:38	SELECT * FROM PARTICIPATED LIMIT 0, 1000	0 row(s) returned	0.062 sec / 0.000 sec

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sys

world

SQL File 6*

Limit to 1000 rows

```
50 FOREIGN KEY(DRIVER_ID, REG_NO) REFERENCES OWNS(DRIVER_ID, REG_NO) ON DELETE CASCADE,
51 FOREIGN KEY(REPORT_NO) REFERENCES ACCIDENT(REPORT_NUMBER) ON DELETE CASCADE
52 );
53
54 • SELECT * FROM PARTICIPATED;
55
56 • INSERT INTO PERSON(DRIVER_ID, PNAME, ADDRESS) VALUES (1111, 'RAMU', 'K.S.LAYOUT'), (2222, 'JOHN', 'INDIRANAGAR'), (3333, 'PRIYA', 'JAYANAGAR'), (4444
57
58 • SELECT * FROM PERSON;
59
60
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	DRIVER_ID	PNAME	ADDRESS
▶	1111	RAMU	K.S.LAYOUT
	2222	JOHN	INDIRANAGAR
	3333	PRIYA	JAYANAGAR
	4444	GOPAL	WHITEFIELD
	5555	LATHA	VIJAYANAGAR
*	NULL	NULL	NULL

PERSON 10

Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 13	20:44:20	CREATE TABLE PARTICIPATED (DRIVER_ID VARCHAR(20), REG_NO VARCHAR(20))	0 row(s) affected	0.640 sec
✓ 14	20:44:38	SELECT * FROM PARTICIPATED LIMIT 0, 1000	0 row(s) returned	0.062 sec / 0.000 sec
✓ 15	20:45:59	INSERT INTO PERSON(DRIVER_ID, PNAME, ADDRESS) VALUES (1111, 'RAMU', 'K.S.LAYOUT'), (2222, 'JOHN', 'INDIRANAGAR'), (3333, 'PRIYA', 'JAYANAGAR'), (4444, 'GOPAL', 'WHITEFIELD'), (5555, 'LATHA', 'VIJAYANAGAR')	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.172 sec
✓ 16	20:46:18	SELECT * FROM PERSON LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Administration Schemas

No object selected

Object Info Session

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Filter objects

acme

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student

sys

world

SQL File 6*

Limit to 1000 rows

61

62 • SELECT * FROM CAR;

63

64 • INSERT INTO ACCIDENT(REPORT_NUMBER, ADATE, LOCATION) VALUES (12, '2002-06-01', 'M G ROAD'), (200, '2002-12-10', 'DOUBLEROAD'), (300, '1999-07-23', 'M

65

66 • SELECT * FROM ACCIDENT;

67

68 • INSERT INTO OWNS(DRIVER_ID, REG_NO) VALUES ('1111', 'KA04Q2301'), ('1111', 'KA05P1000'), ('2222', 'KA03L1234'), ('3333', 'KA03L9999'), ('4444', 'KA01

69

70 • SELECT * FROM OWNS;

71

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	DRIVER_ID	REG_NO
▶	4444	KA01P4020
	2222	KA03L1234
	3333	KA03L9999
	1111	KA04Q2301
	1111	KA05P1000
*	NULL	NULL

OWNS 13

Apply Revert

Information

No object selected

Object Info Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 19	20:49:40	INSERT INTO ACCIDENT(REPORT_NUMBER, ADATE, LOCATION) VALUES (12, '2002...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.172 sec
✓ 20	20:49:56	SELECT * FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.047 sec / 0.000 sec
✓ 21	20:50:36	INSERT INTO OWNS(DRIVER_ID, REG_NO) VALUES ('1111', 'KA04Q2301'), ('1111', 'K...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.344 sec
✓ 22	20:50:49	SELECT * FROM OWNS LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

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Filter objects

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sys

world

SQL File 6*

Limit to 1000 rows

65

66 • SELECT * FROM ACCIDENT;

67

68 • INSERT INTO OWNS(DRIVER_ID, REG_NO) VALUES ('1111', 'KA04Q2301'), ('1111', 'KA05P1000'), ('2222', 'KA03L1234'), ('3333', 'KA03L9999'), ('4444', 'KA01

69

70 • SELECT * FROM OWNS;

71

72 • INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) VALUES ('1111', 'KA04Q2301', 12, 20000), ('2222', 'KA03L1234', 200, 500), ('3333',

73

74 • SELECT * FROM PARTICIPATED;

75

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	DRIVER_ID	REG_NO	REPORT_NO	DAMAGE_AMT
▶	1111	KA04Q2301	12	20000
	2222	KA03L1234	200	500
	3333	KA03L9999	300	10000
	4444	KA01P4020	25000	2375
	1111	KA05P1000	26500	70000

Administration

Schemas

Information

No object selected

PARTICIPATED 16

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 28	21:02:10	SELECT * FROM PARTICIPATED LIMIT 0, 1000	0 row(s) returned	0.093 sec / 0.000 sec
✗ 29	21:03:01	INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) V...	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('insuranc...	0.203 sec
✓ 30	21:03:16	INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) V...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.156 sec
✓ 31	21:03:19	SELECT * FROM PARTICIPATED LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 6*

Limit to 1000 rows

69

70 • SELECT * FROM OWNS;

71

72 • INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) VALUES ('1111', 'KA04Q2301', 12, 20000), ('2222', 'KA03L1234', 200, 500), ('3333',

73

74 • SELECT * FROM PARTICIPATED;

75

76 • UPDATE CAR SET MODEL = 'MARUTHI-DX' WHERE REG_NO = 'KA03L9999';

77

78 • SELECT * FROM CAR;

79

Result Grid

Filter Rows:

EditExport/ImportWrap Cell Content

	REG_NO	MODEL	CYEAR
▶	KA01P4020	INDICA-VX	2002
	KA03L1234	ZEN-VXI	1999
	KA03L9999	MARUTHI-DX	2002
	KA04Q2301	MARUTHI-DX	2000
	KA05P1000	FORDICON	2000
*	NULL	NULL	NULL

CAR 17

ApplyRevert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖	32 21:04:06	TRUNCATE TABLE CAR	Error Code: 1701. Cannot truncate a table referenced in a foreign key constraint ('insuranc...	0.000 sec
✖	33 21:05:59	UPDATE CAR SET MODEL = 'MARUTHI-DX' WHERE MODEL = 'MARUTHI-DX'	Error Code: 1175. You are using safe update mode and you tried to update a table without ...	0.078 sec
✔	34 21:07:33	UPDATE CAR SET MODEL = 'MARUTHI-DX' WHERE REG_NO = 'KA03L9999'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.187 sec
✔	35 21:07:51	SELECT * FROM CAR LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

SCHEMAS

Filter objects

acmesakilastudentsysworld

AdministrationSchemasInformation

No object selected

Object InfoSession

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help



Navigator

SCHEMAS

Filter objects

- acme
- sakila
- student
- sys
- world

Administration Schemas

Information

No object selected

Object Info Session

SQL File 6* x



Limit to 1000 rows

```
70 • SELECT * FROM OWNS;
71
72 • INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) VALUES ('1111', 'KA04Q2301', 12, 20000), ('2222', 'KA03L1234', 200, 500), ('3333',
73
74 • SELECT * FROM PARTICIPATED;
75
76 -- CANNOT ENTER THIS VALUE
77 • INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) VALUE ('2222', 'KA03L9999', 12, 10000);
78
79 • UPDATE CAR SET MODEL = 'MARUTHI-DX' WHERE REG_NO = 'KA03L9999';
80
81 • SELECT * FROM CAR;
82
83 -- DEMONSTRATE HOW YOU UPDATE DAMAGE AMOUNT FOR THECAR WITH A SPECIFIC REGNO IN ACCIDENT WITH REPORTNO 12 TO 25000
84
85 • UPDATE PARTICIPATED SET DAMAGE_AMT=25000 WHERE REPORT_NO =12 AND REG_NO='KA04Q2301';
86
87 • SELECT * FROM PARTICIPATED;
88
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 35	21:07:51	SELECT * FROM CAR LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓ 36	21:09:02	UPDATE PARTICIPATED SET DAMAGE_AMT=25000 WHERE REPORT_NO =12 AND ...	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.204 sec
✓ 37	21:09:15	SELECT * FROM PARTICIPATED LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✗ 38	21:11:43	INSERT INTO PARTICIPATED(DRIVER_ID, REG_NO, REPORT_NO, DAMAGE_AMT) V...	Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('insuranc...	0.141 sec

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Filter objects

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world

SQL File 6*

Limit to 1000 rows

98

-- FIND THE NO OF ACCIDENTS IN WHICH CARS BELONGING TO A SPECIFIC MODEL WERE INVOLVED.

99

100

SELECT COUNT(ACCIDENT.REPORT_NUMBER)

101

FROM ACCIDENT , PARTICIPATED , CAR

102

WHERE ACCIDENT.REPORT_NUMBER=PARTICIPATED.REPORT_NO

103

AND

104

PARTICIPATED.REG_NO=CAR.REG_NO

105

AND

106

CAR.MODEL= 'MARUTHI-DX' ;

107

108

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

	COUNT(ACCIDENT.REPORT_NUMBER)
▶	2

Administration

Schemas

Information

No object selected

Object Info

Session

Result 22

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 40	21:13:10	INSERT INTO ACCIDENT(REPORT_NUMBER, ADATE, LOCATION) VALUE(13, '2007-0...	1 row(s) affected	0.078 sec
✓ 41	21:13:24	SELECT * FROM ACCIDENT LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
✓ 42	21:14:52	SELECT COUNT(*) FROM ACCIDENT WHERE YEAR(ADATE) = 2002 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 43	21:16:22	SELECT COUNT(ACCIDENT.REPORT_NUMBER) FROM ACCIDENT , PARTICIPATED , ...	1 row(s) returned	0.031 sec / 0.000 sec