INSURANCE DATABASE

SQL Code:

```
show databases;


create database IF NOT exists newdatabase25;


show databases;


use newdatabase25;


CREATE TABLE PERSON (

driver_id VARCHAR(10) PRIMARY KEY,

name VARCHAR(50),

address VARCHAR(100)

);


CREATE TABLE CAR (

reg_num VARCHAR(10) PRIMARY KEY,

model VARCHAR(30),

year INT,

address VARCHAR(100)

);


CREATE TABLE ACCIDENT (

report_num INT PRIMARY KEY,

accident_date DATE,
```

```
location VARCHAR(100)
);

CREATE TABLE OWNS (
driver_id VARCHAR(10),
reg_num VARCHAR(10),
PRIMARY KEY(driver_id, reg_num),
FOREIGN KEY(driver_id) REFERENCES PERSON(driver_id),
FOREIGN KEY(reg_num) REFERENCES CAR(reg_num)
);

CREATE TABLE PARTICIPATED (
driver_id VARCHAR(10),
reg_num VARCHAR(10),
report_num INT,
damage_amount INT,
PRIMARY KEY(driver_id, reg_num, report_num),
FOREIGN KEY(driver_id) REFERENCES PERSON(driver_id),
FOREIGN KEY(reg_num) REFERENCES CAR(reg_num),
FOREIGN KEY(report_num) REFERENCES ACCIDENT(report_num)
);
INSERT INTO PERSON VALUES
('D1','Ravi Kumar','Bengaluru'),
('D2','Anita Sharma','Mysuru'),
('D3','John Mathew','Hubli'),
('D4','Priya Singh','Belagavi'),
```

('D5','Arun Das','Mangaluru');

INSERT INTO CAR VALUES

('KA01AB1234','Hyundai i20',2020,'Bengaluru'),

('KA02CD5678','Maruti Swift',2019,'Mysuru'),

('KA03EF9012','Tata Nexon',2021,'Hubli'),

('KA04GH3456','Honda City',2018,'Belagavi'),

('KA05IJ7890','Ford EcoSport',2020,'Mangaluru');

INSERT INTO ACCIDENT VALUES

(101,'2023-01-10','MG Road'),

(102,'2023-02-14','Ring Road'),

(103,'2023-03-20','Airport Road'),

(104,'2023-04-05','NH 48'),

(105,'2023-05-12','Brigade Road');

INSERT INTO OWNS VALUES

('D1','KA01AB1234'),

('D2','KA02CD5678'),

('D3','KA03EF9012'),

('D4','KA04GH3456'),

('D5','KA05IJ7890');

INSERT INTO PARTICIPATED VALUES

('D1','KA01AB1234',101,15000),

('D2','KA02CD5678',102,30000),

```
('D3','KA03EF9012',103,25000),

('D4','KA04GH3456',104,5000),

('D5','KA05IJ7890',105,40000);


SELECT accident_date, location

FROM ACCIDENT;


SELECT DISTINCT driver_id

FROM PARTICIPATED

WHERE damage_amount >= 25000;


SELECT P.driver_id, P.name, Pa.damage_amount

FROM PERSON P

JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id

WHERE Pa.damage_amount >= 25000;


SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;


SELECT AVG(damage_amount) FROM PARTICIPATED;


SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID =
B.DRIVER_ID AND damage_amount>(SELECT AVG(damage_amount) FROM
PARTICIPATED);


SELECT MAX(damage_amount) FROM PARTICIPATED;
```

Screenshot 1

```
65        (105,'2023-05-12','Brigade Road');
66
67  •   INSERT INTO OWNS VALUES
68        ('D1','KA01AB1234'),
69        ('D2','KA02CD5678'),
70        ('D3','KA03EF9012'),
71        ('D4','KA04GH3456'),
72        ('D5','KA05IJ7890');
73
74  •   INSERT INTO PARTICIPATED VALUES
75        ('D1','KA01AB1234',101,15000),
76        ('D2','KA02CD5678',102,30000),
77        ('D3','KA03EF9012',103,25000),
78        ('D4','KA04GH3456',104,5000),
79        ('D5','KA05IJ7890',105,40000);
80
81  •   SELECT accident_date, location
82        FROM ACCIDENT;
```

Result Grid:

accident_date	location
2023-01-10	MG Road
2023-02-14	Ring Road
2023-03-20	Airport Road
2023-04-05	NH 48
2023-05-12	Brigade Road

ACCIDENT 14

Output — Action Output

#	Time	Action	Message	Duration / Fetch
47	10:54:18	INSERT INTO PARTICIPATED VALUES ('D1','KA01AB1234',101,15000), ('D2','KA02CD5678',102,30000), ('D3','KA03EF9012',103,25000), ('D4','KA0...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
48	10:54:23	SELECT accident_date, location FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
49	10:54:31	SELECT DISTINCT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
50	10:54:36	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
51	10:54:51	CREATE TABLE CAR (reg_num VARCHAR(10) PRIMARY KEY, model VARCHAR(30), year INT, address VARCHAR(100))	Error Code: 1050. Table 'car' already exists	0.000 sec
52	10:55:40	SELECT accident_date, location FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Screenshot 2

```
68        ('D1','KA01AB1234'),
69        ('D2','KA02CD5678'),
70        ('D3','KA03EF9012'),
71        ('D4','KA04GH3456'),
72        ('D5','KA05IJ7890');
73
74  •   INSERT INTO PARTICIPATED VALUES
75        ('D1','KA01AB1234',101,15000),
76        ('D2','KA02CD5678',102,30000),
77        ('D3','KA03EF9012',103,25000),
78        ('D4','KA04GH3456',104,5000),
79        ('D5','KA05IJ7890',105,40000);
80
81  •   SELECT accident_date, location
82        FROM ACCIDENT;
83
84  •   SELECT DISTINCT driver_id
85        FROM PARTICIPATED
```

Result Grid:

driver_id
D2
D3
D5

PARTICIPATED 15

Output — Action Output

#	Time	Action	Message	Duration / Fetch
48	10:54:23	SELECT accident_date, location FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
49	10:54:31	SELECT DISTINCT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
50	10:54:36	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
51	10:54:51	CREATE TABLE CAR (reg_num VARCHAR(10) PRIMARY KEY, model VARCHAR(30), year INT, address VARCHAR(100))	Error Code: 1050. Table 'car' already exists	0.000 sec
52	10:55:40	SELECT accident_date, location FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
53	10:56:25	SELECT DISTINCT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1 — MySQL Workbench

SQL editor (Query 1 / newdatabase3 / 2*):

```
72      ('D5','KA05IJ7890');
73
74 •    INSERT INTO PARTICIPATED VALUES
75      ('D1','KA01AB1234',101,15000),
76      ('D2','KA02CD5678',102,30000),
77      ('D3','KA03EF9012',103,25000),
78      ('D4','KA04GH3456',104,5000),
79      ('D5','KA05IJ7890',105,40000);
80
81 •    SELECT accident_date, location
82      FROM ACCIDENT;
83
84 •    SELECT DISTINCT driver_id
85      FROM PARTICIPATED
86      WHERE damage_amount >= 25000;
87
88 •    SELECT P.driver_id, P.name, Pa.damage_amount
89      FROM PERSON P
```

Result Grid:

driver_id	name	damage_amount
D2	Anita Sharma	30000
D3	John Mathew	25000
D5	Arun Das	40000

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
49	10:54:31	SELECT DISTINCT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
50	10:54:36	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
51	10:54:51	CREATE TABLE CAR (reg_num VARCHAR(10) PRIMARY KEY, model VARCHAR(30), year INT, address VARCHAR(100))	Error Code: 1050. Table 'car' already exists	0.000 sec
52	10:55:40	SELECT accident_date, location FROM ACCIDENT LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
53	10:56:25	SELECT DISTINCT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
54	10:56:56	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec

---

Screenshot 2 — MySQL Workbench

SQL editor:

```
72      ('D5','KA05IJ7890');
73
74 •    INSERT INTO PARTICIPATED VALUES
75      ('D1','KA01AB1234',101,15000),
76      ('D2','KA02CD5678',102,30000),
77      ('D3','KA03EF9012',103,25000),
78      ('D4','KA04GH3456',104,5000),
79      ('D5','KA05IJ7890',105,40000);
80
81 •    SELECT accident_date, location
82      FROM ACCIDENT;
83
84 •    SELECT DISTINCT driver_id
85      FROM PARTICIPATED
86      WHERE damage_amount >= 25000;
87
88 •    SELECT P.driver_id, P.name, Pa.damage_amount
89      FROM PERSON P
90      JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id
91      WHERE Pa.damage_amount >= 25000;
92
93 •    SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
94
```

Result Grid (PARTICIPATED 19):

driver_id	reg_num	report_num	damage_amount
D5	KA05IJ7890	105	40000
D2	KA02CD5678	102	30000
D3	KA03EF9012	103	25000
D1	KA01AB1234	101	15000
D4	KA04GH3456	104	5000
NULL	NULL	NULL	NULL

Output — Action Output:

#	Time	Action	Message	Duration / Fetch
54	10:56:56	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
55	11:10:56	SELECT * FROM PARTICIPATED ORDER BY DAMAGE_AMOUNTT DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'DAMAGE_AMOUNTT' in 'order clause'	0.000 sec
56	11:11:17	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
57	11:11:23	SELECT * FROM PARTICIPATED ORDER BY DAMAGE_AMOUNTT DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'DAMAGE_AMOUNTT' in 'order clause'	0.000 sec
58	11:11:48	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
59	11:12:26	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

```sql
74   INSERT INTO PARTICIPATED VALUES
75   ('D1','KA01AB1234',101,15000),
76   ('D2','KA02CD5678',102,30000),
77   ('D3','KA03EF9012',103,25000),
78   ('D4','KA04GH3456',104,5000),
79   ('D5','KA05IJ7890',105,40000);
80
81   SELECT accident_date, location
82   FROM ACCIDENT;
83
84   SELECT DISTINCT driver_id
85   FROM PARTICIPATED
86   WHERE damage_amount >= 25000;
87
88   SELECT P.driver_id, P.name, Pa.damage_amount
89   FROM PERSON P
90   JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id
91   WHERE Pa.damage_amount >= 25000;
92
93   SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
94
95   SELECT AVG(damage_amount) FROM PARTICIPATED;
```

Result Grid

AVG(damage_amount)
23000.0000

Output — Action Output

#	Time	Action	Message	Duration / Fetch
55	11:10:56	SELECT * FROM PARTICIPATED ORDER BY DAMAGE_AMOUNTT DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'DAMAGE_AMOUNTT' in 'order clause'	0.000 sec
56	11:11:17	SELECT P.driver_id, P.name, Pa.damage_amount FROM PERSON P JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id WHERE Pa.damage_am...	3 row(s) returned	0.000 sec / 0.000 sec
57	11:11:23	SELECT * FROM PARTICIPATED ORDER BY DAMAGE_AMOUNTT DESC LIMIT 0, 1000	Error Code: 1054. Unknown column 'DAMAGE_AMOUNTT' in 'order clause'	0.000 sec
58	11:11:48	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
59	11:12:26	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
60	11:13:30	SELECT AVG(damage_amount) FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

---

```sql
76   ('D2','KA02CD5678',102,30000),
77   ('D3','KA03EF9012',103,25000),
78   ('D4','KA04GH3456',104,5000),
79   ('D5','KA05IJ7890',105,40000);
80
81   SELECT accident_date, location
82   FROM ACCIDENT;
83
84   SELECT DISTINCT driver_id
85   FROM PARTICIPATED
86   WHERE damage_amount >= 25000;
87
88   SELECT P.driver_id, P.name, Pa.damage_amount
89   FROM PERSON P
90   JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id
91   WHERE Pa.damage_amount >= 25000;
92
93   SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
94
95   SELECT AVG(damage_amount) FROM PARTICIPATED;
96
97   SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND damage_amount>(SELECT AVG(damage_amount) FROM PARTICIPATED);
```

Result Grid

NAME
Anita Sharma
John Mathew
Arun Das

Output — Action Output

#	Time	Action	Message	Duration / Fetch
58	11:11:48	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
59	11:12:26	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
60	11:13:30	SELECT AVG(damage_amount) FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
61	11:15:20	DELETE FROM PARTICIPATED WHERE damage_amount<(SELECT AVG (damage_amount) FROM PARTICIPATED)	Error Code: 1093. You can't specify target table 'PARTICIPATED' for update in FROM clause	0.000 sec
62	11:16:14	SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND DAMAGE_AMOUNT>(SELECT AVG(DAMAGE_...	3 row(s) returned	0.000 sec / 0.000 sec
63	11:17:16	SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND damage_amount>(SELECT AVG(damage_amou...	3 row(s) returned	0.000 sec / 0.000 sec

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Query 1   newdatabase3*   2*   ×

SQLAdditions

Jump to

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

```
78     ('D4','KA04GH3456',104,5000),
79     ('D5','KA05IJ37890',105,40000);
80
81 •   SELECT accident_date, location
82     FROM ACCIDENT;
83
84 •   SELECT DISTINCT driver_id
85     FROM PARTICIPATED
86     WHERE damage_amount >= 25000;
87
88 •   SELECT P.driver_id, P.name, Pa.damage_amount
89     FROM PERSON P
90     JOIN PARTICIPATED Pa ON P.driver_id = Pa.driver_id
91     WHERE Pa.damage_amount >= 25000;
92
93 •   SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
94
95 •   SELECT AVG(damage_amount) FROM PARTICIPATED;
96
97 •   SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND damage_amount>(SELECT AVG(damage_amount) FROM PARTICIPATED);
98
99 •   SELECT MAX(damage_amount) FROM PARTICIPATED;
100
```

SCHEMAS

Q Filter objects

- 1bm22is055
- 1wn24cs105
- aditya
- adityavd
- arihant
- british
- business
- college
- course
- db1
- db2
- db3
- db4
- db5
- db6
- db7
- deepak
- department
- department1
- employee123
- employeedb
- employeedb1
- employee
- hi
- hopital
- ins
- insurance
- jai
- jai2
- labdbms
- labpractical

Administration Schemas

Information

No object selected

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

MAX(damage_amount)
▶ 40000

Result Grid

Form Editor

Result 23 ×

Read Only Context Help Snippets

Object Info Session

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	59	11:12:26	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
✓	60	11:13:30	SELECT AVG(damage_amount) FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✗	61	11:15:20	DELETE FROM PARTICIPATED WHERE damage_amount<(SELECT AVG (damage_amount) FROM PARTICIPATED)	Error Code: 1093. You can't specify target table 'PARTICIPATED' for update in FROM clause	0.000 sec
✓	62	11:16:14	SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND DAMAGE_AMOUNT>(SELECT AVG(DAMAGE_...	3 row(s) returned	0.000 sec / 0.000 sec
✓	63	11:17:16	SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER_ID = B.DRIVER_ID AND damage_amount>(SELECT AVG(damage_amou...	3 row(s) returned	0.000 sec / 0.000 sec
✓	64	11:18:15	SELECT MAX(damage_amount) FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Limit to 1000 rows