

NAME : LOPAMUDRA PATRO

SECTION : 3N

USN : 1WA24CS158

BATCH : BATCH-2(N2-ASK)

DBMS LAB WEEK-1 Insurance DB

PERSON (driver_id: String, name: String, address: String)

CAR (reg_num: String, model: String, year: int)

ACCIDENT (report_num: int, accident_date: date, location: String)

OWNS (driver_id: String, reg_num: String)

PARTICIPATED (driver_id: String, reg_num: String, report_num: int, damage_amount: int)

Queries:

- Create the above tables by properly specifying the primary keys and the foreign keys.
- Enter at least five tuples for each relation
- Display Accident date and location
- Update the damage amount to 25000 for the car with a specific reg_num (example 'K A053408') for which the accident report number was 12.
- Add a new accident to the database.

To Do:

- Display Accident date and location.
- Display driver id who did accident with damage amount greater than or equal to Rs.25000

SQL:

insuranceDB x

Limit to 1000 rows

1 • SHOW DATABASES;
2

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

Database
information_schema
mydb
mysql
newdatabase
newdatabase158
performance_schema
sys

Result 6 x

Output

Action Output

#	Time	Action	Message
✓ 22	10:36:55	SHOW DATABASES	7 row(s) returned

Navigator

SCHEMAS

Filter objects

- insurancedb
 - Tables
 - Views
 - Stored Procedures
 - Functions
- mydb
- newdatabase
- newdatabase158
- sys

insuranceDB x

1 • CREATE DATABASE insurancedb;
2 • USE insurancedb;
3

```
6 • ○ CREATE TABLE PERSON (
7     driver_id VARCHAR(10) PRIMARY KEY,
8     name VARCHAR(20),
9     address VARCHAR(30)
10 );
11 • SELECT * FROM PERSON;
12
13 • ○ CREATE TABLE CAR (
```

Result Grid


 Filter Rows:
 Edit:  

	driver_id	name	address
*	NULL	NULL	NULL

```
13 ● ○ CREATE TABLE CAR (
14     reg_num VARCHAR(10) PRIMARY KEY,
15     model VARCHAR(10),
16     year INT
17 );
18 ● SELECT * FROM CAR;
```





Result Grid

Filter Rows:

Edit:

	reg_num	model	year
•	NULL	NULL	NULL

```
20 • CREATE TABLE ACCIDENT (  
21     report_num INT PRIMARY KEY,  
22     accident_date DATE,  
23     location VARCHAR(20)  
24 );  
25 • SELECT * FROM ACCIDENT;
```

Result Grid   Filter Rows: Edit:  

	report_num	accident_date	location
*	NULL	NULL	NULL

```
26 • CREATE TABLE OWNS (  
27     driver_id VARCHAR(10),  
28     reg_num VARCHAR(10),  
29     PRIMARY KEY (driver_id, reg_num),  
30     FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),  
31     FOREIGN KEY (reg_num) REFERENCES CAR(reg_num)  
32 );  
33 • SELECT * FROM owns;
```

Result Grid   Filter Rows: Edit:    Export/Import:  

	driver_id	reg_num
*	NULL	NULL

```

35 • CREATE TABLE PARTICIPATED (
36     driver_id VARCHAR(10),
37     reg_num VARCHAR(10),
38     report_num INT,
39     damage_amount INT,
40     PRIMARY KEY (driver_id, reg_num, report_num),
41     FOREIGN KEY (driver_id) REFERENCES PERSON(driver_id),
42     FOREIGN KEY (reg_num) REFERENCES CAR(reg_num),
43     FOREIGN KEY (report_num) REFERENCES ACCIDENT(report_num)
44 );
45 • SELECT * FROM participated;
46

```

Result Grid



Filter Rows:

Edit:



Export/Import:

	driver_id	reg_num	report_num	damage_amount
•	NULL	NULL	NULL	NULL

insuranceDB* x

Limit to 1000 rows

1 • DESCRIBE PERSON;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

	Field	Type	Null	Key	Default	Extra
▶	driver_id	varchar(10)	NO	PRI	NULL	
	name	varchar(20)	YES		NULL	
	address	varchar(30)	YES		NULL	

2 • DESCRIBE CAR;

Result Grid | Filter Rows: | Export: | Wrap

	Field	Type	Null	Key	Default	Extra
▶	reg_num	varchar(10)	NO	PRI	NULL	
	model	varchar(10)	YES		NULL	
	year	int	YES		NULL	

3 • DESCRIBE ACCIDENT;

Result Grid						
		Filter Rows:				
				Export:	Wrap Cells	
	Field	Type	Null	Key	Default	Extra
▶	report_num	int	NO	PRI	NULL	
	accident_date	date	YES		NULL	
	location	varchar(20)	YES		NULL	

4 • DESCRIBE OWNS;

Result Grid						
		Filter Rows:				
				Export:		
	Field	Type	Null	Key	Default	Extra
▶	driver_id	varchar(10)	NO	PRI	NULL	
	reg_num	varchar(10)	NO	PRI	NULL	

insuranceDB*

Limit to 1000 rows

1 • DESCRIBE PERSON;
2 • DESCRIBE CAR;
3 • DESCRIBE ACCIDENT;
4 • DESCRIBE OWNS;
5 • DESCRIBE PARTICIPATED;
6

Result Grid
Filter Rows:
Export:
Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	driver_id	varchar(10)	NO	PRI	NULL	
	reg_num	varchar(10)	NO	PRI	NULL	
	report_num	int	NO	PRI	NULL	
	damage_amount	int	YES		NULL	

Output

Action Output

#	Time	Action	Message
✓ 34	10:47:02	CREATE TABLE PARTICIPATED (driver_id VARCHAR(10), reg_num VARCHAR(10), report_num INT, ...	0 row(s) affected
✓ 35	10:48:58	DESCRIBE PERSON	3 row(s) returned
✓ 36	10:48:58	DESCRIBE CAR	3 row(s) returned
✓ 37	10:48:58	DESCRIBE ACCIDENT	3 row(s) returned
✓ 38	10:48:58	DESCRIBE OWNS	2 row(s) returned
✓ 39	10:48:58	DESCRIBE PARTICIPATED	4 row(s) returned

insuranceDB* x

Limit to 1000 rows

```

1 • INSERT INTO PERSON VALUES ('A01','Richard','Srinivas Nagar');
2 • INSERT INTO PERSON VALUES ('A02','Pradeep','Rajajinagar');
3 • INSERT INTO PERSON VALUES ('A03','Smith','Ashoknagar');
4 • INSERT INTO PERSON VALUES ('A04','Venu','N.R.Colony');
5 • INSERT INTO PERSON VALUES ('A05','John','Hanumanth Nagar');
6 • COMMIT;
7 • SELECT * FROM PERSON;
8
9 • INSERT INTO CAR VALUES ('KA052250','Indica',1990);
10 • INSERT INTO CAR VALUES ('KA031181','Lancer',1957);
11 • INSERT INTO CAR VALUES ('KA095477','Tovota',1998);

```

Result Grid | Filter Rows: | Edit: | Export/Import:

	driver_id	name	address
▶	A01	Richard	Srinivas Nagar
	A02	Pradeep	Rajajinagar
	A03	Smith	Ashoknagar
	A04	Venu	N.R.Colony
	A05	John	Hanumanth Nagar
•	NULL	NULL	NULL

insuranceDB* x

Limit to 1000 rows

```

8
9 • INSERT INTO CAR VALUES ('KA052250','Indica',1990);
10 • INSERT INTO CAR VALUES ('KA031181','Lancer',1957);
11 • INSERT INTO CAR VALUES ('KA095477','Toyota',1998);
12 • INSERT INTO CAR VALUES ('KA053408','Honda',2008);
13 • INSERT INTO CAR VALUES ('KA041702','Audi',2005);
14 • COMMIT;
15 • SELECT * FROM CAR;
16
17 • INSERT INTO ACCIDENT VALUES (11,'2003-01-01','Mysore Road');
18 • INSERT INTO ACCIDENT VALUES (12,'2004-02-02','Southend Circle');

```





Result Grid | Filter Rows: | Edit: | Export/Import:

	reg_num	model	year
▶	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyota	1998
•	NULL	NULL	NULL

```

61 • INSERT INTO ACCIDENT VALUES (11,'2003-01-01','Mysore Road');
62 • INSERT INTO ACCIDENT VALUES (12,'2004-02-02','Southend Circle');
63 • INSERT INTO ACCIDENT VALUES (13,'2003-01-21','Bulltemple Road');
64 • INSERT INTO ACCIDENT VALUES (14,'2008-02-17','Mysore Road');
65 • INSERT INTO ACCIDENT VALUES (15,'2005-03-04','Kanakpura Road');
66 • select * from accident;
67 • INSERT INTO OWNS VALUES ('A01','KA052250');
68 • INSERT INTO OWNS VALUES ('A02','KA053408');
69 • INSERT INTO OWNS VALUES ('A03','KA095477');
70 • INSERT INTO OWNS VALUES ('A04','KA031181');
71 • INSERT INTO OWNS VALUES ('A05','KA041702');

```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:   			
Export/Import: 			
	report_num	accident_date	location
▶	11	2003-01-01	Mysore Road
	12	2004-02-02	Southend Circle
	13	2003-01-21	Bulltemple Road
	14	2008-02-17	Mysore Road
	15	2005-03-04	Kanakpura Road
•	NULL	NULL	NULL

Result Grid
Form Editor

insuranceDB* x

Limit to 1000

```
22 • COMMIT;  
23 • SELECT * FROM ACCIDENT;  
24  
25 • INSERT INTO OWNS VALUES ('A01', 'KA052250');  
26 • INSERT INTO OWNS VALUES ('A02', 'KA053408');  
27 • INSERT INTO OWNS VALUES ('A03', 'KA095477');  
28 • INSERT INTO OWNS VALUES ('A04', 'KA031181');  
29 • INSERT INTO OWNS VALUES ('A05', 'KA041702');  
30 • COMMIT;  
31 • SELECT * FROM OWNS;  
32
```

Result Grid

Filter Rows:

Edit:

	driver_id	reg_num
▶	A04	KA031181
	A05	KA041702
	A01	KA052250
	A02	KA053408
	A03	KA095477
•	NULL	NULL

```

75 • INSERT INTO PARTICIPATED VALUES ('A01','KA052250',11,10000);
76 • INSERT INTO PARTICIPATED VALUES ('A02','KA053408',12,50000);
77 • INSERT INTO PARTICIPATED VALUES ('A03','KA095477',13,25000);
78 • INSERT INTO PARTICIPATED VALUES ('A04','KA031181',14,3000);
79 • INSERT INTO PARTICIPATED VALUES ('A05','KA041702',15,5000);
80 • select * from participated;
81

```

Result Grid	Filter Rows:	Edit:	Export/Import:
driver_id	reg_num	report_num	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000
NULL	NULL	NULL	NULL

82 09:27:58 INSERT INTO PARTICIPATED VALUES ('A02','KA053408',12,50000) 1 row(s) affected

insuranceDB*

```

1 • USE insurancedb;
2 • show tables;

```

Result Grid	Filter Rows:
Tables_in_insurancedb	
accident	
car	
owns	
participated	
person	

insuranceDB* x

Limit to 1000 rows

```

1 • UPDATE PARTICIPATED
2   SET damage_amount = 25000
3   WHERE reg_num = 'KA053408' AND report_num = 12;
4 • COMMIT;
5 • SELECT * FROM PARTICIPATED;

```

Result Grid | Filter Rows: | Edit:

	driver_id	reg_num	report_num	damage_amount
▶	A01	KA052250	11	10000
	A02	KA053408	12	25000
	A03	KA095477	13	25000
	A04	KA031181	14	3000
	A05	KA041702	15	5000
•	NULL	NULL	NULL	NULL

67 10:54:54 UPDATE PARTICIPATED SET damage_amount = 25000 WHERE reg_num = 'KA053408' AND report_num = 12 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

```

87 • INSERT INTO ACCIDENT VALUES (16, '2008-03-15', 'Domlur');
88 • COMMIT;
89 • SELECT * FROM ACCIDENT;
90

```

Result Grid | Filter Rows: | Edit: | Export/Import:

	report_num	accident_date	location
▶	11	2003-01-01	Mysore Road
	12	2004-02-02	Southend Circle
	13	2003-01-21	Bulltemple Road
	14	2008-02-17	Mysore Road
	15	2005-03-04	Kanakpura Road
	16	2008-03-15	Domlur
•	NULL	NULL	NULL

119 12:32:19 INSERT INTO ACCIDENT VALUES (16,'2008-03-15','Domlur')

120 12:32:20 SELECT * FROM ACCIDENT LIMIT 0, 1000

92 • SELECT accident_date, location FROM ACCIDENT;

93 • SELECT * FROM ACCIDENT;

94

accident_date	location
2003-01-01	Mysore Road
2004-02-02	Southend Circle
2003-01-21	Bulltemple Road
2008-02-17	Mysore Road
2005-03-04	Kanakpura Road
2008-03-15	Domlur
NULL	NULL

96

97 • SELECT driver_id FROM PARTICIPATED WHERE damage_amount >= 25000;

98

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	driver_id
▶	A02
	A03

Thank you