

## WEEK 1-Insurance Database

Q) 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)

- 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: -

```
1 • USE newdatabase;
2
3 • create table person (driver_id varchar(10),
4   name varchar(20), address varchar(30), primary key(driver_id));
5
6 • desc person
```

Result Grid


Filter Rows:

Export:


Wrap Cell Content:


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

```

7
8 ❌ create table car(reg_num varchar(10),model varchar(10),year int, primary key(reg_num));
9
10 • create table accident(report_num int, accident_date date, location
11   varchar(20),primary key(report_num));
12
13 • create table owns(driver_id varchar(10),reg_num varchar(10),
14   primary key(driver_id, reg_num),
15   foreign key(driver_id) references person(driver_id),
16   foreign key(reg_num) references car(reg_num));
17
18 • create table participated(driver_id varchar(10), reg_num varchar(10),
19   report_num int, damage_amount int,
20   primary key(driver_id, reg_num, report_num),
21   foreign key(driver_id) references person(driver_id),
22   foreign key(reg_num) references car(reg_num),
23   foreign key(report_num) references accident(report_num));
24
25 • INSERT into accident values (11, '2003-01-01','Mysore Road');
26 • INSERT into accident values (12,'2004-02-02','South end Circle');
27 • insert into accident values (13,'2003-01-21','Bull temple Road');
28 • insert into accident values (14,'2008-02-17','Mysore Road');
29 • insert into accident values (15,'2004-03-05','Kanakpura Road');
30 • Select * from accident;
31



```

Result Grid			
Filter Rows:			
	report_num	accident_date	location
▶	11	2003-01-01	Mysore Road
	12	2004-02-02	South end Circle
	13	2003-01-21	Bull temple Road
	14	2008-02-17	Mysore Road
	15	2004-03-05	Kanakpura Road
✱	NULL	NULL	NULL

```

32 • INSERT into car values("KA052250","Indica",1990);
33 • INSERT into car values("KA031181","Lancer",1957);
34 • INSERT into car values("KA095477","Toyota",1998);
35 • INSERT into car values("KA053408","Honda",2008);
36 • INSERT into car values("KA041702","Audi",2005);
37 • Select * from car;
38



```

Result Grid   Filter Rows:			
	reg_num	model	year
▶	KA031181	Lancer	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyota	1998
*	NULL	NULL	NULL

```

39 • INSERT into person values("A01","Richard","Srinivas nagar");
40 • INSERT into person values("A02","Pradeep","Rajaji nagar");
41 • INSERT into person values("A03","Smith","Ashok nagar");
42 • INSERT into person values("A04","Venu","N R Colony");
43 • INSERT into person values("A05","Jhon","Hanumanth nagar");
44 • Select * from person;
45



```

Result Grid   Filter Rows: <input type="text"/>			
	driver_id	name	address
▶	A01	Richard	Srinivas nagar
	A02	Pradeep	Rajaji nagar
	A03	Smith	Ashok nagar
	A04	Venu	N R Colony
	A05	Jhon	Hanumanth nagar
*	NULL	NULL	NULL

```

46 • INSERT into owns values("A01","KA052250");
47 • INSERT into owns values("A02","KA053408");
48 • INSERT into owns values("A03","KA031181");
49 • INSERT into owns values("A04","KA095477");
50 • INSERT into owns values("A05","KA041702");
51 • Select * from owns;



```

Result Grid   Filter		
	driver_id	reg_num
▶	A03	KA031181
	A05	KA041702
	A01	KA052250
	A02	KA053408
	A04	KA095477
*	NULL	NULL

```

53 • INSERT into participated values("A01","KA052250",11,10000);
54 • INSERT into participated values("A02","KA053408",12,50000);
55 • INSERT into participated values("A03","KA095477",13,25000);
56 • INSERT into participated values("A04","KA031181",14,3000);
57 • INSERT into participated values("A05","KA041702",15,5000);
58 • select * from participated;

```

Result Grid  Filter Rows: <input type="text"/> Edit: 				
	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



59

60 • `update participated set damage_amount=25000`

61 `where reg_num='KA053408' and report_num=12;`

62

63 • `select * from participated;`

Result Grid  Filter Rows: <input type="text"/> 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

64

65 • `select count(distinct driver_id) CNT`

66 `from participated a, accident b`

67 `where a.report_num=b.report_num and b.accident_date like '%08%';`

68





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

	CNT
▶	1

68





69 • `insert into accident values(16,"2008-03-08",'Domlur');`

70 • `select * from accident;`

Result Grid  Filter Rows: <input type="text"/> Edit:    Export/Im			
	report_num	accident_date	location
▶	11	2003-01-01	Mysore Road
	12	2004-02-02	South end Circle
	13	2003-01-21	Bull temple Road
	14	2008-02-17	Mysore Road
	15	2004-03-05	Kanakpura Road
	16	2008-03-08	Domlur
*	NULL	NULL	NULL

71

72 • `select driver_id from participated where damage_amount >= 25000;`

Result Grid			 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	driver_id				
	A02				
	A03				