

CREATING AND INSERTING INTO CAR

```
9 • CREATE TABLE car(  
10     reg_num VARCHAR(10) PRIMARY KEY,  
11     model VARCHAR(10),  
12     year INT  
13 );  
14  
15 • INSERT INTO car(reg_num, model, year)  
16 VALUES  
17     ("KA052250", "Indica", 1990),  
18     ("KA031181", "Lancer", 1957),  
19     ("KA095477", "Toyota", 1998),  
20     ("KA053408", "Honda", 2008),  
21     ("KA041702", "Audi", 2005);  
22
```

CREATING AND INSERTING INTO PERSON

```
25 • CREATE TABLE person(  
26     driver_id VARCHAR(10) PRIMARY KEY NOT NULL,  
27     name VARCHAR(20) NOT NULL,  
28     address VARCHAR(30) NOT NULL  
29 );  
30  
31 • INSERT INTO person(driver_id, name, address)  
32 VALUES  
33     ("A01", "Richard", "Srinivas nagar"),  
34     ("A02", "Pradeep", "Rajaji nagar"),  
35     ("A03", "Smith", "Ashok nagar"),  
36     ("A04", "Venu", "N R Colony "),  
37     ("A05", "Jhon", "Hanumanth nagar");  
38  
39
```

CREATING AND INSERTING INTO ACCIDENT

```
41 • CREATE TABLE accident(  
42     report_num INT PRIMARY KEY NOT NULL ,  
43     accident_date DATE,  
44     location VARCHAR(20)  
45 );  
46  
47 • INSERT INTO accident(report_num, accident_date, location)  
48 VALUES  
49     (11, "2003-01-01", "Mysore Road"),  
50     (12, "2004-02-02", "South end Circle"),  
51     (13, "2003-01-21", "Bull temple Road"),  
52     (14, "2008-02-17", "Mysore Road"),  
53     (15, "2005-03-04", "Kanakpura Road");  
54  
55
```

CREATING AND INSERTING INTO OWNS

```
57 • CREATE TABLE owns(  
58     driver_id VARCHAR(10) ,  
59     reg_num VARCHAR(10) ,  
60     PRIMARY KEY(reg_num, driver_id),  
61     FOREIGN KEY(driver_id) REFERENCES person(driver_id),  
62     FOREIGN KEY(reg_num) REFERENCES car(reg_num)  
63 );  
64  
65 • INSERT INTO owns(driver_id, reg_num)  
66 VALUES  
67     ("A01", "KA052250"),  
68     ("A02", "KA053408"),  
69     ("A03", "KA031181"),  
70     ("A04", "KA095477"),  
71     ("A05", "KA041702");  
72
```

CREATING AND INSERTING INTO PARTICIPATED

```
75 • CREATE TABLE participated(  
76     driver_id VARCHAR(10),  
77     reg_num VARCHAR(10),  
78     report_num INT,  
79     damage_amount INT,  
80     PRIMARY KEY(driver_id, reg_num, report_num),  
81     FOREIGN KEY(driver_id) REFERENCES person(driver_id),  
82     FOREIGN KEY(reg_num) REFERENCES car(reg_num),  
83     FOREIGN KEY(report_num) REFERENCES accident(report_num)  
84 );  
85  
86 • INSERT INTO participated(driver_id, reg_num, report_num, damage_amount)  
87 VALUES  
88     ("A01", "KA052250", 11, 10000),  
89     ("A02", "KA053408", 12, 50000),  
90     ("A03", "KA095477", 13, 25000),  
91     ("A04", "KA031181", 14, 3000),  
92     ("A05", "KA041702", 15, 5000);  
93
```

96 • 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

102 • INSERT INTO accident

103 VALUES(16, "2008-03-15", "Domlur");

```
105 • SELECT * FROM accident;
```

```
106
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:			
Export/Import:			
Wrap Cell Content:			
	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	2005-03-04	Kanakpura Road
	16	2008-03-15	Domlur
*	NULL	NULL	NULL

```
108 • SELECT accident_date, location FROM accident;
```

```
109
```

Result Grid		
Filter Rows: <input type="text"/>		
Export:		
Wrap Cell Content:		
	accident_date	location
▶	2003-01-01	Mysore Road
	2004-02-02	South end Circle
	2003-01-21	Bull temple Road
	2008-02-17	Mysore Road
	2005-03-04	Kanakpura Road
	2008-03-15	Domlur

```
111 • SELECT driver_id FROM participated
```

```
112 WHERE damage_amount >= 25000;
```

```
113
```

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

```
ALTER TABLE accident RENAME TO accidents;
```

```
ALTER TABLE accidents RENAME TO accident;
```

```
120 • SELECT MAX(damage_amount) FROM participated;
121
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	MAX(damage_amount)			
▶	25000			

```
123 • SELECT COUNT(DISTINCT driver_id) AS COUNT_PEOPLE_WHO_OWNED_CARS_THAT_INVOLVED_AN_ACCIDENT_IN_2008 FROM participated
124 WHERE report_num IN (SELECT report_num FROM accident WHERE YEAR(accident_date) = "2008");
125
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COUNT_PEOPLE_WHO_OWNED_CARS_THAT_INV			
▶	1			

```
127 • SELECT accident_date, location FROM accident;
128
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
accident_date	location			
▶ 2003-01-01	Mysore Road			
2004-02-02	South end Circle			
2003-01-21	Bull temple Road			
2008-02-17	Mysore Road			
2005-03-04	Kanakpura Road			
2008-03-15	Domlur			

```
130 • SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
131
```

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

```
133 • SELECT AVG(damage_amount) FROM participated;
134
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	AVG(damage_amount)			
▶	13600.0000			