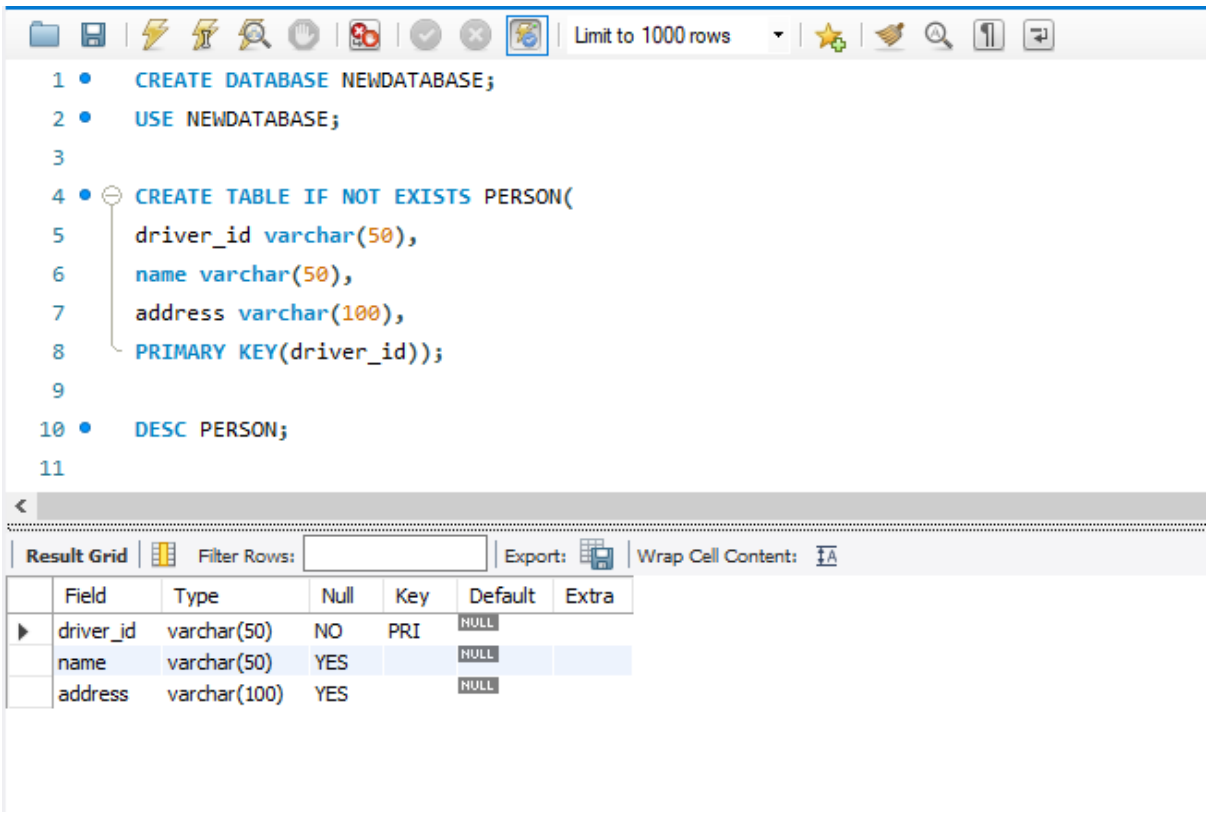
Query 1: creating tables



```
1  CREATE DATABASE NEWDATABASE;
2  USE NEWDATABASE;
3
4  CREATE TABLE IF NOT EXISTS PERSON(
5  driver_id varchar(50),
6  name varchar(50),
7  address varchar(100),
8  PRIMARY KEY(driver_id));
9
10 DESC PERSON;
11
```

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

Field	Type	Null	Key	Default	Extra
driver_id	varchar(50)	NO	PRI	NULL	
name	varchar(50)	YES		NULL	
address	varchar(100)	YES		NULL	

```
11 CREATE TABLE IF NOT EXISTS CAR(
12 reg_num varchar(50),
13 model varchar(50),
14 year int,
15 PRIMARY KEY(reg_num));
16 DESC CAR;
```

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

Field	Type	Null	Key	Default	Extra
reg_num	varchar(50)	NO	PRI	NULL	
model	varchar(50)	YES		NULL	
year	int	YES		NULL	

```
18 • CREATE TABLE IF NOT EXISTS ACCIDENT(
19     report_num int,
20     accident_date date,
21     location varchar(50),
22     PRIMARY KEY(report_num));
23 • DESC ACCIDENT;
```

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

Field	Type	Null	Key	Default	Extra
report_num	int	NO	PRI	NULL	
accident_date	date	YES		NULL	
location	varchar(50)	YES		NULL	

```
25 • CREATE TABLE IF NOT EXISTS OWNS(
26     driver_id varchar(50),
27     reg_num varchar(50),
28     foreign key(driver_id) references person(driver_id),
29     foreign key(reg_num) references car(reg_num));
30 • DESC OWNS;
```

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

Field	Type	Null	Key	Default	Extra
driver_id	varchar(50)	YES	MUL	NULL	
reg_num	varchar(50)	YES	MUL	NULL	

```
32 • CREATE TABLE IF NOT EXISTS PARTICIPATED(
33     driver_id varchar(50),
34     reg_num varchar(50),
35     report_num int,
36     damage_amount int,
37     foreign key(driver_id) references person(driver_id),
38     foreign key(reg_num) references car(reg_num),
39     foreign key(report_num) references accident(report_num));
40 • DESC PARTICIPATED;
```

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

Field	Type	Null	Key	Default	Extra
driver_id	varchar(50)	YES	MUL	NULL	
reg_num	varchar(50)	YES	MUL	NULL	
report_num	int	YES	MUL	NULL	
damage_amount	int	YES		NULL	

Query 2: inserting values into tables

```
42 •  INSERT INTO ACCIDENT VALUES(11, '2003-01-01','Mysore Road'),
43    (12,'2004-02-02','South end circle'),
44    (13,'2003-01-21','Bull temple Road'),
45    (14,'2008-02-17','Mysore Road'),
46    (15,'2004-03-05','Kanakpura Road');
47
48 •  SELECT * FROM ACCIDENT;
```

Result Grid | Filter Rows: | 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	2004-03-05	Kanakpura Road
NULL	NULL	NULL

```
49 •  INSERT INTO PERSON VALUES('A01','Richard','Srinivas Nagar'),
50    ('A02','Pradeep','Rajajinagar'),
51    ('A03','Smith','Ashok Nagar'),
52    ('A04','Venu','N R Colony'),
53    ('A05','Jhon','Hanumanth nagar');
54 •  SELECT * FROM PERSON;
```

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

driver_id	name	address
A01	Richard	Srinivas Nagar
A02	Pradeep	Rajajinagar
A03	Smith	Ashok Nagar
A04	Venu	N R Colony
A05	Jhon	Hanumanth nagar
NULL	NULL	NULL

```
56 •  INSERT INTO CAR VALUES('KA052250','Indica',1990),
57    ('KA031181','Lancer',1957),
58    ('KA095477','Toyota',1998),
59    ('KA053408','Honda',2008),
60    ('KA041702','Audi',2005);
61 •  SELECT * FROM CAR;
```

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

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

```
63 •  INSERT INTO OWNS VALUES('A01','KA052250'),
64    ('A02','KA053408'),
65    ('A03','KA031181'),
66    ('A04','KA095477'),
67    ('A05','KA041702');
68 •  SELECT * FROM OWNS;
```

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

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

```
70 •  INSERT INTO PARTICIPATED VALUES('A01','KA052250',11,10000),
71    ('A02','KA053408',12,50000),
72    ('A03','KA095477',13,25000),
73    ('A04','KA031181',14,3000),
74    ('A05','KA041702',15,5000);
75 •  SELECT * FROM PARTICIPATED;
```

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

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

Query 3: Update the damage amount to 25000 for the car with a specific reg-num (example 'KA053408') for which the accident report number was 12.

```
77 •  UPDATE PARTICIPATED
78    SET damage_amount=25000
79    WHERE reg_num='KA053408' and report_num=12;
80 •  SELECT * FROM PARTICIPATED;
```

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

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

Query 4: Find the total number of people who owned cars that were involved in accidents in 2008.

```
13 •  select count(distinct driver_id) cnt from participated p, accident a
14    where p.report_num=a.report_num and
15    a.accident_date like '%08%';
```

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

cnt
1

Query 5: Adding a new accident to the database.

```
5 •  insert into accident values(16,'2008-03-08','Domlur');
6 •  select * from accident;
```

Result Grid | Filter Rows: | 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	2004-03-05	Kanakpura Road
16	2008-03-08	Domlur
NULL	NULL	NULL

Query 6: Display Accident date and location

```
8 •  select accident_date as date,location from accident;
```

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

date	location
2003-01-01	Mysore Road
2004-02-02	South end circle
2003-01-21	Bull temple Road
2008-02-17	Mysore Road
2004-03-05	Kanakpura Road
2008-03-08	Domlur

Query 7: Display driver id who did accident with damage amount greater than or equal to Rs.25000

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

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

driver_id
A02
A03