

INSURANCE DATABASE

```
create database 058_insurance;
```

```
use 058_insurance;
```

```
create table person
```

```
create table person(
```

```
driver_id varchar(10),
```

```
driver_name varchar(20),
```

```
address varchar(30),
```

```
primary key(driver_id));
```

```
create table car
```

```
create table car(
```

```
reg_num varchar(10),
```

```
model varchar(10),
```

```
year int,
```

```
primary key(reg_num));
```

```
create table OWNS
```

```
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 Accident

create table Accident(

report_num varchar(30),

create table participated

create table participated(

driver_id varchar(10),

reg_num varchar(10),

report_num varchar(30),

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));

Inserting values into table accident and displaying:

insert into Accident values("11","2003-01-01","Mysore Road");

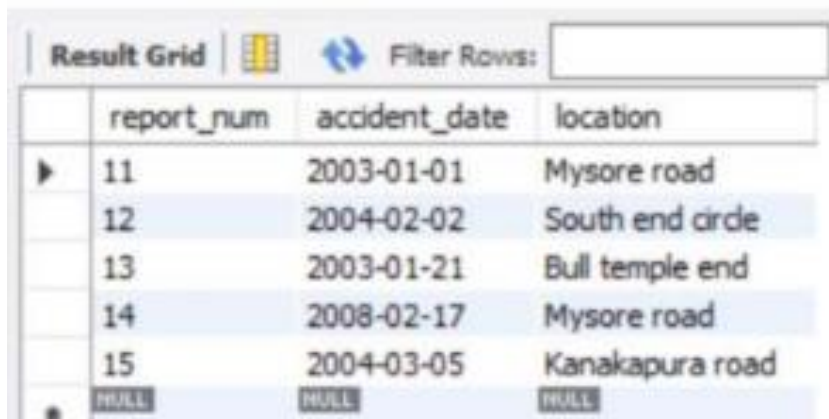
insert into Accident values('12',"2004-02-02","South end Circle");

insert into Accident values('13',"2003-01-21","Bull Temple Road");

insert into Accident values('14',"2008-02-17","Mysore Road");

```
insert into Accident values('15','2004-03-05','Kanakpura Road');
```

```
select * from Accident;
```



A screenshot of a database application's 'Result Grid'. The grid has a toolbar at the top with a 'Filter Rows' input field. The table contains five rows of accident data. The first row is highlighted with a blue arrow pointing to it. The last row shows 'NULL' values for all three columns.

	report_num	accident_date	location
▶	11	2003-01-01	Mysore road
	12	2004-02-02	South end circle
	13	2003-01-21	Bull temple end
	14	2008-02-17	Mysore road
	15	2004-03-05	Kanakapura road
•	NULL	NULL	NULL

Inserting values into table person and displaying:

```
insert into person values ('A01','Richaed','Srinivas nagar');
```

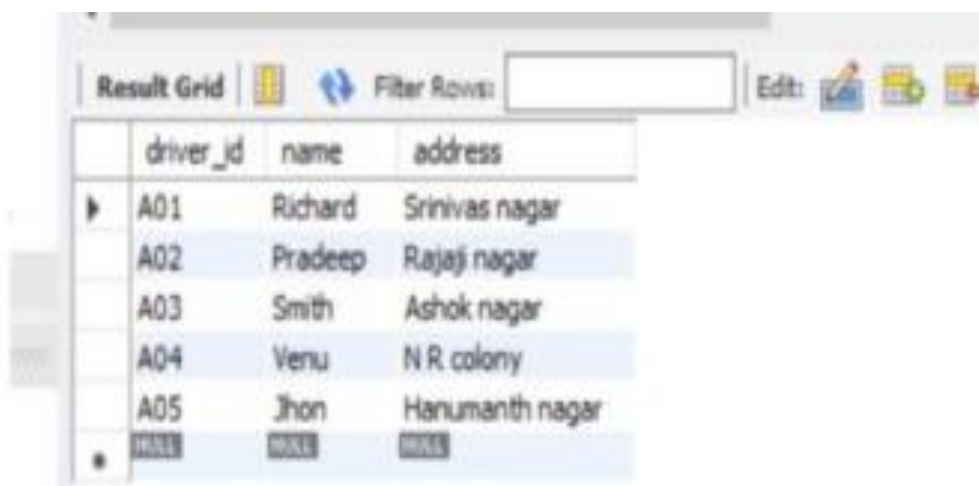
```
insert into person values('A02','Pradeep','Rajaji nagar');
```

```
insert into person values('A03','Smith','Aahok nagar'),
```

```
('A04','venu','N R Colony'),
```

```
('A05','Jhon','Hanumanth Nagar');
```

```
select * from person;
```



A screenshot of a database application's 'Result Grid'. The grid has a toolbar at the top with a 'Filter Rows' input field and an 'Edit' button. The table contains five rows of person data. The first row is highlighted with a blue arrow pointing to it. The last row shows 'NULL' values for all three columns.

	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

Inserting values into table car and displaying:

insert into car values

```
('KA052250','Indica',1990),  
('KA031181','Lancer',1998),  
('KA095477','Toyota',1998),  
('KA053408','Honda',2008),  
('KA041702','Audi',2005);
```

select * from car;



	reg_num	model	year
▶	KA031181	LANCER	1957
	KA041702	Audi	2005
	KA052250	Indica	1990
	KA053408	Honda	2008
	KA095477	Toyata	1998
●	NULL	NULL	NULL

Inserting values into table owns and displaying:

insert into OWNS values('A01','KA052250'),

('A02','KA031181'),

('A03','KA095477'),

('A04','KA053408'),

('A05','KA041702');

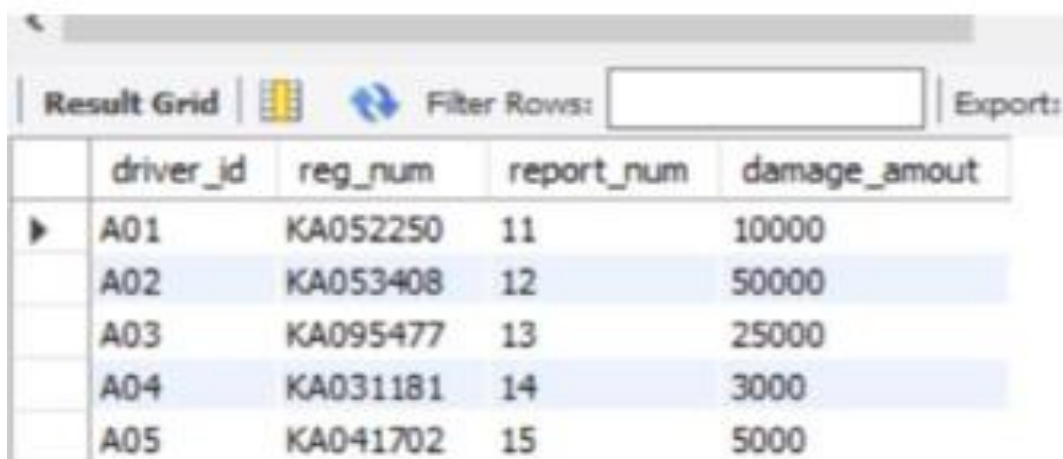
select * from OWNS;



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

owns 9 x

Inserting values into table participated and displaying:
 insert into participated values("A01",'KA052250',11,10000);
 insert into participated values("A02",'KA053408',12,50000);
 insert into participated values("A03",'KA095477',13,25000);
 insert into participated values("A04",'KA031181',14,3000);
 insert into participated values("A01",'KA041702',15,5000);
 select * from participated;



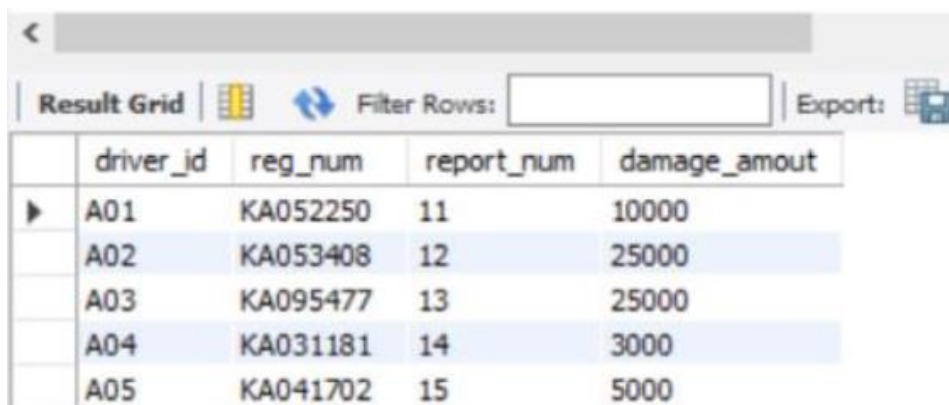
	driver_id	reg_num	report_num	damage_amout
▶	A01	KA052250	11	10000
	A02	KA053408	12	50000
	A03	KA095477	13	25000
	A04	KA031181	14	3000
	A05	KA041702	15	5000

WEEK 1-QUERIES

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

SQL>update participated set damage_amount=25000 where reg_num='KA053408' and report_num=12

select * from participated order by damage_amount desc

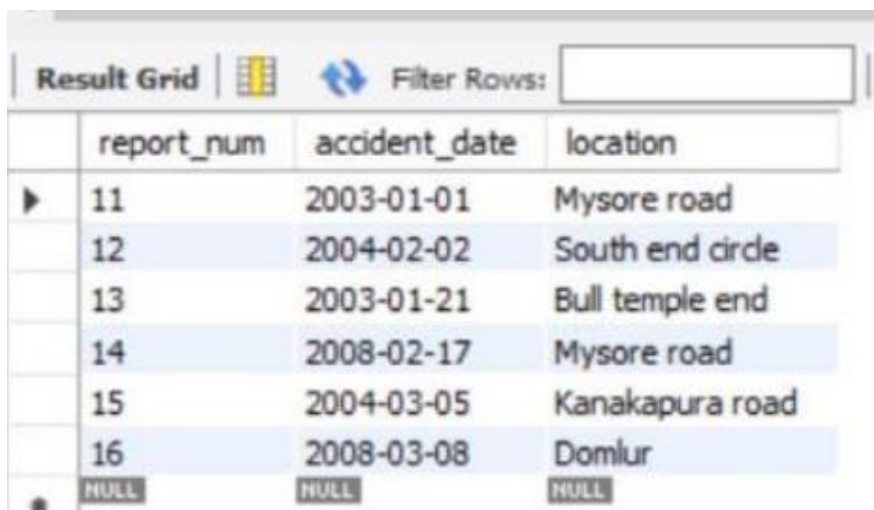


	driver_id	reg_num	report_num	damage_amout
▶	A01	KA052250	11	10000
	A02	KA053408	12	25000
	A03	KA095477	13	25000
	A04	KA031181	14	3000
	A05	KA041702	15	5000

Add a new accident to the database.

SQL>insert into accident values(16,'2008-03-08',"Domlur");

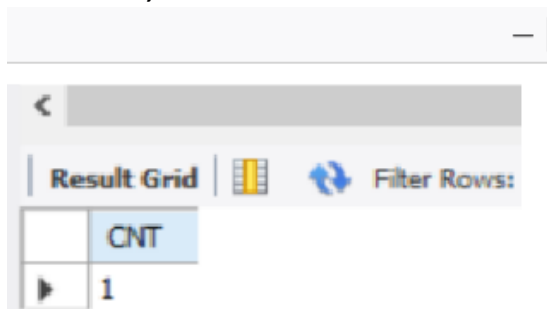
SQL>select * from accident;



	report_num	accident_date	location
▶	11	2003-01-01	Mysore road
	12	2004-02-02	South end cirde
	13	2003-01-21	Bull temple end
	14	2008-02-17	Mysore road
	15	2004-03-05	Kanakapura road
	16	2008-03-08	Domlur
●	NULL	NULL	NULL

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

```
SQL> select count (distinct driver_id) CNT from participated  
a, accident b where  
a.report_num=b.report_num and b.accident_date like  
'%08%';
```

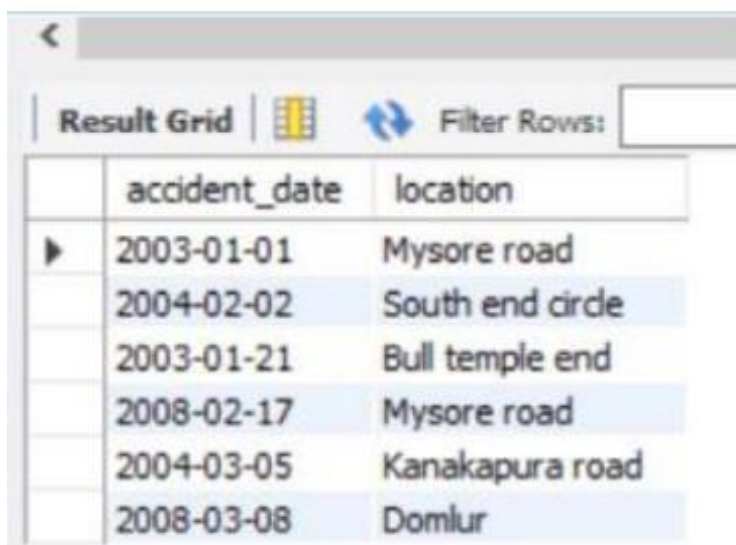


The screenshot shows a database interface with a 'Result Grid' tab. The grid contains one column labeled 'CNT' and one row with the value '1'.

CNT
1

Display Accident date and location

```
SQL> select accident_date, location from accident;
```





The screenshot shows a database interface with a 'Result Grid' tab. The grid contains two columns: 'accident_date' and 'location'. There are seven rows of data.

accident_date	location
2003-01-01	Mysore road
2004-02-02	South end circle
2003-01-21	Bull temple end
2008-02-17	Mysore road
2004-03-05	Kanakapura road
2008-03-08	Domlur

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

```
SQL> select driver_id from participated where  
damage_amount>=25000;
```

<

Result Grid			
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	driver_id
▶	A02
	A03