

Insurance Database

```
create database 1bm21cs065_insurance;
```

```
use 1bm21cs065_insurance;
```

Creating table person:

```
create table person (  
  driver_id varchar (20),  
  name varchar (20),  
  address varchar (30),  
  primary key(driver_id)  
);
```

Creating table car:

```
create table car (  
  reg_num varchar (10),  
  model varchar (10),  
  year int,  
  primary key(reg_num)  
);
```

Creating table accident:

```
create table accident (  
  report_num int,  
  accident_date date,  
  location varchar (20),  
  primary key(report_num)  
);
```

Creating table owns:

```
create table owns (  
  driver_id varchar (20),  
  reg_num varchar (10),  
  primary key(driver_id,reg_num),
```

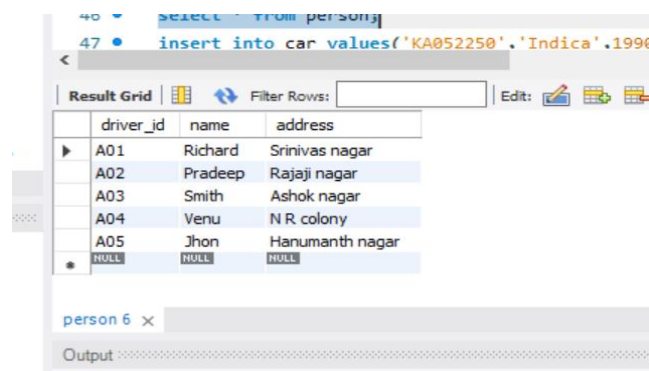
```
foreign key(driver_id) references person(driver_id),
foreign key(reg_num) references car(reg_num)
);
```

Create table participated:

```
create table participated (
driver_id varchar (20),
reg_num varchar (10),
report_num int,
damage_amout int,
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 person and displaying:

```
insert into person values ('A01','Richard','Srinivas nagar');
insert into person values ('A02','Pradeep','Rajaji nagar');
insert into person values ('A03','Smith','Ashok nagar');
insert into person values ('A04','Venu','N R colony');
insert into person values ('A05','Jhon','Hanumanth nagar');
select * from person;
```



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

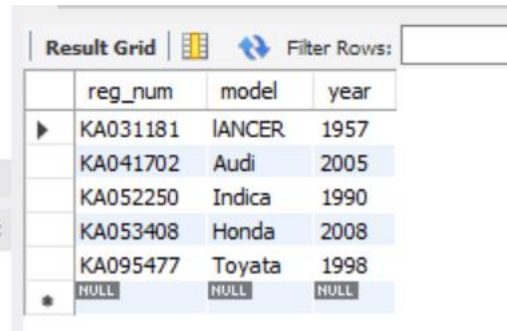
Inserting values into table car and displaying:

```
insert into car values('KA052250','Indica',1990);
insert into car values('KA031181','LANCER',1957);
insert into car values('KA095477','Toyata',1998);
```

```
insert into car values('KA053408','Honda',2008);
```

```
insert into car values('KA041702','Audi',2005);
```

```
select * from car;
```



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

Inserting values into table accident and displaying:

```
insert into accident values (11,'2003-01-01','Mysore Road');
```

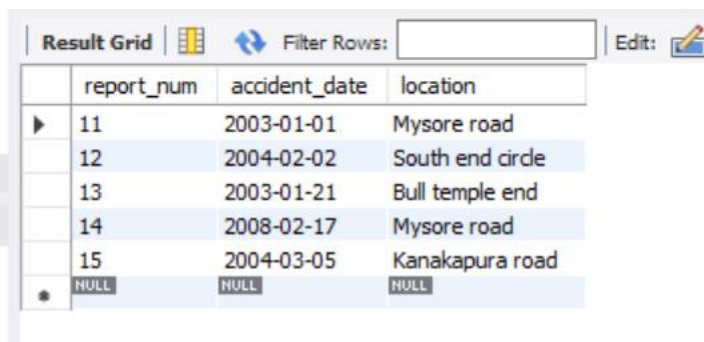
```
insert into accident values (12,'2004-02-02','South end circle');
```

```
insert into accident values (13,'2003-01-21','Bull temple end');
```

```
insert into accident values (14,'2008-02-17','Mysore Road');
```

```
insert into accident values (15,'2004-03-05','Kanakapura road');
```

```
select * from accident;
```



	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 owns and displaying:

```
insert into owns values('A01','KA052250');
```

```
insert into owns values('A02','KA053408');
```

```
insert into owns values('A03','KA031181');
```

```
insert into owns values('A04','KA095477');
```

```
insert into owns values('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('A05','KA041702',15,5000);

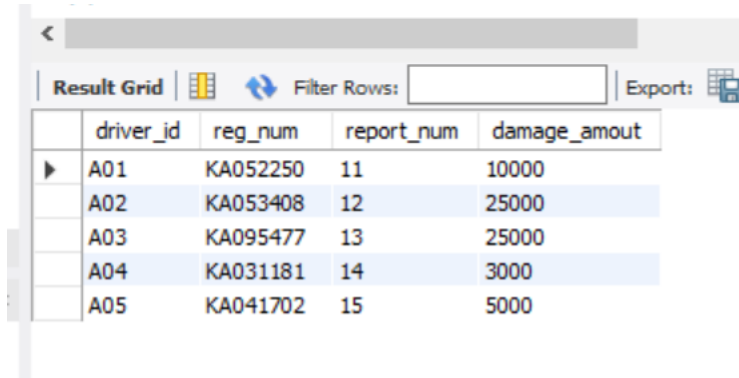
select * from participated;

	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.

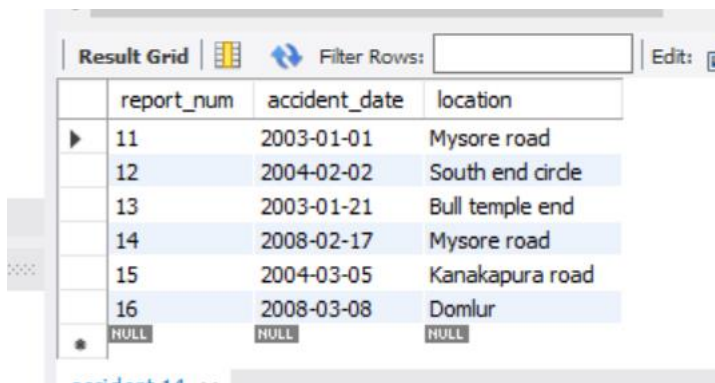
```
SQL>update participated
set damage_amount=25000
where reg_num='KA053408' and report_num=12;
```



	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

- Add a new accident to the database.

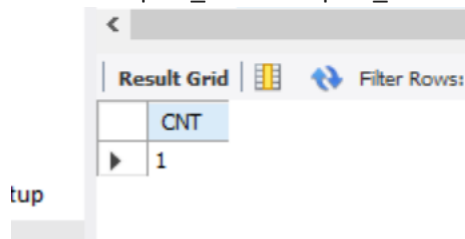
```
SQL>insert into accident values(16,'2008-03-08',"Domlur");
SQL>select * from accident;
```



	report_num	accident_date	location
▶	11	2003-01-01	Mysore road
	12	2004-02-02	South end circle
	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.

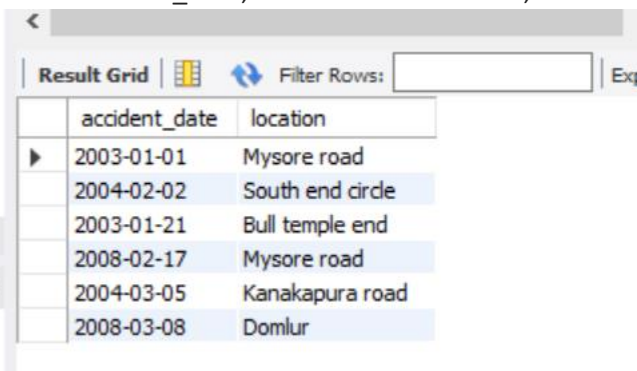
```
SQL> select count (distinct driver_id) CNT
from participated a, accident b
where a.report_num=b.report_num and b.accident_date like '%08%';
```



	CNT
▶	1

- Display Accident date and location

SQL> select accident_date, location from accident;



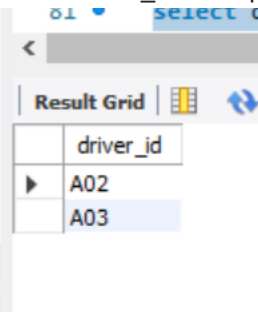
The screenshot shows a database interface with a 'Result Grid' tab. The grid displays the results of the SQL query 'select accident_date, location from accident;'. The columns are 'accident_date' and 'location'. The data is as follows:

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

On the left side of the grid, there is a vertical scroll bar and a 'tup' label next to the first row.

- 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;



The screenshot shows a database interface with a 'Result Grid' tab. The grid displays the results of the SQL query 'select driver_id from participated where damage_amount >= 25000;'. The column is 'driver_id'. The data is as follows:

driver_id
A02
A03

On the left side of the grid, there is a vertical scroll bar and a 'tup' label next to the first row.