# INSURANCE DATABASE
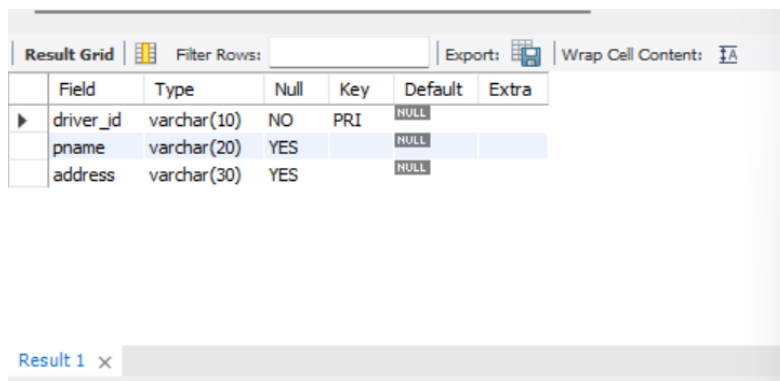
## Week1

create database 1bm21cs048_insurance;
use 1bm21cs048_insurance;

create table person(
driver_id varchar(10),
pname varchar(20),
address varchar(30),
primary key(driver_id));
desc person;



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

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

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),

```sql
foreign key(reg_num) references car(reg_num)
);

create table participated(
driver_id varchar(10),
reg_num varchar(10),
report_num int,
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)
);

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');

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');

insert into car values('KA052250','Indica',1990);
insert into car values('KA031181','Lancer',1957);
insert into car values('KA095477','Toyota',1998);
insert into car values('KA053408','Honda',2008);
insert into car values('KA041702','Audi',2005);

insert into owns values('A01','KA052250');
insert into owns values('A02','KA053408');
insert into owns values('A03','KA095477');
insert into owns values('A04','KA031181');
insert into owns values('A05','KA041702');

insert into participated values('A01','KA052250',11,10000);
insert into participated values('A02','KA053408',12,50000);
insert into participated values('A03','KA031181',13,25000);
insert into participated values('A04','KA095477',14,3000);
insert into participated values('A05','KA041702',15,5000);
```

select * from person;
select * from car;
select * from owns;
select * from accident;
select * from participated;

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

| driver_id | pname | 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 |

person 30 ✕   car 31   owns 32   accident 33   participated 34

**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 |

person 30   car 31 ✕   owns 32   accident 33   participated 34

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

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

person 30   car 31   owns 32 ✕   accident 33   participated 34

| 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 |

person 30    car 31    owns 32    accident 33 ×    participated 34



| driver_id | reg_num | report_num | damage_amount |
|---|---|---|---|
| A01 | KA052250 | 11 | 10000 |
| A02 | KA053408 | 12 | 50000 |
| A03 | KA031181 | 13 | 25000 |
| A04 | KA095477 | 14 | 3000 |
| A05 | KA041702 | 15 | 5000 |
| NULL | NULL | NULL | NULL |

person 30    car 31    owns 32    accident 33    participated 34 ×

Output

**Query 1: Update the damage amount to 25000 for the car with a specific reg-num (example 'KA053408' ) for which the accident report number was 12.**

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

**Query 2: Find the total number of people who owned cars that were involved in accidents in 2008.**

select count(distinct driver_id) CNT
from participated a,accident b
where a.report_num=b.report_num and b.accident_date like '2008%';



| CNT |
|---|
| 1 |

Result 35 ×

**Query 3: Add a new accident to the database.**

insert into accident values(16,'2008-03-08','Domlur');
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 road |
| 14 | 2008-02-17 | Mysore road |
| 15 | 2004-03-05 | Kanakpura road |
| 16 | 2008-03-08 | Domlur |
| * NULL | NULL | NULL |

accident 8 ✕

**To Do:**
**Query 4: Display Accident date and location**

select accident_date, location from accident;

| 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 |
| 2004-03-05 | Kanakpura road |
| 2008-03-08 | Domlur |

accident 9 ✕

**Query 5: Display driver id who did accident with**
**damage amount greater than or equal to Rs.25000**

select driver_id from participated
where damage_amount>=25000;

| driver_id |
|---|
| ▶ A02 |
| A03 |

participated 10 ✕