PROGRAM 1 INSURANCE DATABASE

~~Query 1~~

Query 1 Create above tables by properly specifying primary keys & foreign keys.

```
create table Person (Driver-id varchar(10), Name varchar(20),
Address varchar(30), Primary key(Driver-id));
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), 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));
```

Query 2: Enter atleast 5 tuples for each relation.

```
Insert into Person values ('A01', 'Richard', 'Srinivas Nagar');
Insert into Person values ('A02', 'Pradeep', 'Rajajinagar');
Insert into Person values ('A03', 'Smith', 'Ashok Nagar');
Insert into Person values ('A04', 'Venu', 'NR Colony');
Insert into Person values ('A05', 'John', '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 ('KA041402', 'Audi', 2005);
```

→ Insert into Accident values (11, '2003-01-01', 'Mysore Road');
→ Insert into Accident values (12, '2004-02-02', 'Southend 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, '2005-03-04', 'Kanakpura Road');

→ Insert in 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');

→ 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);

Query 3:

(a) Update the damage amount to 25000 for the car w/ a specific Reg-num for which the accident report no. is 12

→ Update Participated
set damage-amount = 25000
where Report-num = 12;

(b) Add a new accident to the data base.

→ Insert into ~~Participated~~ Accident values (16, '2008-02-21', 'Bull Temple Road');

Query 4: Find the total no. of people who owned cars that were involved in accidents in 2008;

→ Insert into: Participated values('A05', 'KA0841702', 16, 6000);

→ select count(Distinct Driver-id)
From Accident a, Participated p
Where a.Report-num = p.Report-num
AND Accident-date Like '2008%';

Query 5: Find the no. of accidents in which cars belonging to a specific model were involved.

→ Select Count(Report-num)
From Car, c, Participated p
Where c.Reg-num = p.Reg-num
And Model = "Audi";