DBMS LAB-1

→ **Query 1**

```sql
create database INSURANCE;
create table INSURANCE.person (
driver_id varchar(10),
name varchar(20),
address varchar(30),
primary key (driver_id));

create table INSURANCE.car (
reg-num varchar(10),
model varchar(10),
year int,
primary key (reg-num));

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

create table INSURANCE.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));
```

```sql
create table INSURANCE.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

```sql
use INSURANCE;
insert into person values ('A01','Richard', 'Srinivas Nagar');
insert into person values ('A02', 'Pradeep', 'Rajajinagar');
insert into person values ('A03', 'Smith', 'Ashoknagar');
insert into person values ('A04', 'Venu', 'N.R. Colony');
insert into person values ('A05', 'John', 'Hanumanth Nagar');
select * from person;


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);
select * from car;


insert into accident values ( 11, '2001-01-03', 'Mysore Road');
insert into accident values ( 12, '2002-01-04', 'Southend circle');
insert into accident values ( 13, '2021-01-03', 'Bulltemple Road');
insert into accident values ( 14, '2017-02-08', 'Mysore Road');
insert into accident values ( 15, '2004-03-05', 'Kanakapura Road');
select * from accident;
```

```sql
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;


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;
```

→ Query 3

```sql
use INSURANCE;
UPDATE participated
SET damage_amount = 25000
WHERE report_num = 12;


insert into accident values (16, '2021-04-05', 'Mysore Road');
select * from accident;
```