

```
create database INSURANCE;
use INSURANCE;
```

```
create table PERSON(
driver_id char(3),
name varchar(255),
address varchar(255),
primary key(driver_id)
);
create table CAR(
reg_num char(8),
model varchar(255),
year int,
primary key(reg_num)
);
```

```
create table OWNS(
driver_id char(3),
reg_num char(8),
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(
report_num int not null,
accident_date date,
loaction varchar(255),
primary key(report_num)
);
```

```
create table PARTICIPATED(
driver_id char(3) not null,
reg_num char(8) not null,
report_num int not null,
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)
);
alter table ACCIDENT modify accident_date varchar(255);
```

```
alter table ACCIDENT modify accident_date date;
insert into PERSON values ('A01', 'Richard', 'Srinivas nagar'), ('A02', 'Pradeep', 'Rajaji nagar'),
('A03', 'Smith', 'Ashok nagar'),
('A04', 'Venu', 'N R Colony'), ('A05', 'Jhon', 'Hanumanth nagar');
```

```
select * from PERSON;
insert into CAR values ('KA052250', 'Indica', 1990), ('KA031181', 'Lancer', 1957), ('KA095477',
'Toyota', 1998), ('KA053408', 'Honda', 2008),
('KA041702', 'Audi', 2005);
```

```
select * from CAR;
insert into OWNS values ('A01', 'KA052250'), ('A02', 'KA053408'), ('A03', 'KA031181'), ('A04',
'KA095477'), ('A05', 'KA041702');
select * from OWNS;
insert into ACCIDENT values (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, '2005-03-04', 'Kanakpura Road');
select * from ACCIDENT;
insert into PARTICIPATED values ('A01', 'KA052250', 11, 10000), ('A02', 'KA053408', 12, 50000),
('A03', 'KA095477', 13, 25000), ('A04', 'KA031181', 14, 3000),
('A05', 'KA041702', 15, 5000);
select * from PARTICIPATED;
```

```
update PARTICIPATED set damage_amount=25000 where report_num=12 and
reg_num='KA053408';
select count(reg_num),year from CAR where year=2008;
```

```
select count(reg_num),model from CAR where model='Lancer';
```

```
select * from PARTICIPATED order by damage_amount desc;
```

```
select avg(damage_amount) as average_damage_amount from PARTICIPATED;
```

```
delete from PARTICIPATED where damage_amount < (select avg(damage_amount) from
PARTICIPATED);
```

```
select name from PERSON,PARTICIPATED where PERSON.driver_id= PARTICIPATED.driver_id
and
PARTICIPATED.damage_amount>(select avg(damage_amount) from PARTICIPATED);
```

```
select max(damage_amount)
from PARTICIPATED;
```

```
insert into CAR
values('KA05M001','Audi',2018);
select * from car;
```

```
insert into ACCIDENT
values(16,'2019-03-01','Bull temple road');
select * from accident;
```

```
insert into OWNS
values('A03','KA05M001');
```

```
insert into PARTICIPATED
values('A03','KA05M001',16,75000);
```

```
select o.driver_id,o.reg_num from OWNS o,CAR c where c.reg_num=o.reg_num and
c.model='indica';
```

```
select reg_num from PARTICIPATED where report_num in(select report_num from ACCIDENT
where accident_date between '2003-01-01' and '2005-12-31');
```

```
select count(report_num) from ACCIDENT where loaction like '%Mysore%';
```

```
select p.driver_id,p.name from PERSON p,PARTICIPATED p1 where p.driver_id=p1.driver_id and
p1.driver_id in (select driver_id from PARTICIPATED where damage_amount>(select
avg(damage_amount) from PARTICIPATED));
```

```
select count(report_num) from ACCIDENT where accident_date between '2008-01-01' and
'2008-12-31';
```

delete doesn't work-referential integrity