

```
create user vyshnavi1 identified by vysh123;
```

```
grant dba to vyshnavi1;
```

```
create table person( driver_id varchar(5),name varchar(20),address varchar(30));
```

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

```
create table owns(driver_id varchar(5),reg_num varchar(10));
```

```
create table accident(report_num int,accident_date date,location varchar(30));
```

```
create table participated(driver_id varchar(5),reg_num varchar(10),report_num int,damage_amount  
int);
```

```
desc participated;
```

```
alter table person
```

```
add primary key(driver_id);
```

```
alter table car
```

```
add primary key(reg_num,reg_num);
```

```
alter table owns
```

```
add constraint pk_owns primary key(driver_id,reg_num);
```

```
alter table owns
```

```
ADD CONSTRAINT fk1_owns
```

```
FOREIGN KEY (driver_id)
```

```
REFERENCES person(driver_id);
```

```
alter table owns
```

```
ADD CONSTRAINT fk2_owns
```

```
FOREIGN KEY (reg_num)
```

```
REFERENCES car(reg_num);
```

```
alter table accident
```

```
add primary key(report_num);
```

```
alter table participated
```

```
add constraint pk_participated primary key(driver_id,reg_num,report_num);
```

```
alter table participated
```

```
ADD CONSTRAINT fk1_participated
```

```
FOREIGN KEY (driver_id)
```

```
REFERENCES person(driver_id);
```

```
alter table participated
```

```
ADD CONSTRAINT fk2_participated
```

```
FOREIGN KEY (reg_num)
```

```
REFERENCES car(reg_num);
```

```
alter table participated
```

```
ADD CONSTRAINT fk3_participated
```

```
FOREIGN KEY (report_num)
```

```
REFERENCES accident(report_num);
```

```
insert into person values('&driver_id','&name','&address');
```

```
commit;
```

```
select * from person;
```

| DRIVER_ID | NAME | ADDRESS |
|-----------|---------|-----------------|
| 1 A01 | Richard | Srinivas Nagar |
| 2 A02 | Pradeep | Rajajinagar |
| 3 A03 | Smith | Ashoknagar |
| 4 A04 | Venu | N.R.Colony |
| 5 A05 | John | Hanumanth Nagar |

```
insert into car values('&reg_num','&model', &year);
```

```
commit;
```

```
select * from car;
```

| REG_NUM | MODEL | YEAR |
|------------|--------|------|
| 1 KA052250 | Indica | 1990 |
| 2 KA031181 | Lancer | 1957 |
| 3 KA095477 | Toyota | 1998 |
| 4 KA053408 | Honda | 2008 |
| 5 KA041702 | Audi | 2005 |

```
DELETE FROM car WHERE reg_num='KA052250';
```

```
insert into accident values(&report_num,&accident_date','&location');
```

```
commit;
```

```
select * from accident;
```

| REPORT_NUM | ACCIDENT_DATE | LOCATION |
|------------|---------------|-----------------|
| 1 | 11 01-01-03 | Mysore Road |
| 2 | 12 02-02-04 | Southend Circle |
| 3 | 13 21-01-03 | Bulltemple Road |
| 4 | 14 17-02-08 | Mysore Road |
| 5 | 15 04-03-05 | Kanakpura Road |

```
insert into owns values ('&driver_id','&reg_num');
```

```
commit;
```

```
select * from owns;
```

| | DRIVER_ID | REG_NUM |
|---|-----------|----------|
| 1 | A01 | KA052250 |
| 2 | A02 | KA053408 |
| 3 | A03 | KA095477 |
| 4 | A04 | KA031181 |
| 5 | A05 | KA041702 |

```
insert into participated values ('&driver_id','&reg_num','&report_num','&damage_amount');
```

```
commit;
```

```
select * from participated;
```

| DRIVER_ID | REG_NUM | REPORT_NUM | DAMAGE_AMOUNT |
|-----------|----------|------------|---------------|
| 1 A01 | KA052250 | 11 | 10000 |
| 2 A02 | KA053408 | 12 | 50000 |
| 3 A03 | KA095477 | 13 | 25000 |
| 4 A04 | KA031181 | 14 | 3000 |
| 5 A05 | KA041702 | 15 | 5000 |

```
update participated set damage_amount=25000 where reg_num='KA053408' and
```

```
report_num=12;
```

```
commit;
```

```
select * from participated;
```

| DRIVER_ID | REG_NUM | REPORT_NUM | DAMAGE_AMOUNT |
|-----------|----------|------------|---------------|
| 1 A01 | KA052250 | 11 | 10000 |
| 2 A02 | KA053408 | 12 | 25000 |
| 3 A03 | KA095477 | 13 | 25000 |
| 4 A04 | KA031181 | 14 | 3000 |
| 5 A05 | KA041702 | 15 | 5000 |

```
insert into accident values(16,'15-MAR-08','Domlur');
```

```
select * from accident;
```

| | REPORT_NUM | ACCIDENT_... | LOCATION |
|---|------------|--------------|-----------------|
| 1 | 11 | 01-01-03 | Mysore Road |
| 2 | 12 | 02-02-04 | Southend Circle |
| 3 | 13 | 21-01-03 | Bulltemple Road |
| 4 | 14 | 17-02-08 | Mysore Road |
| 5 | 15 | 04-03-05 | Kanakpura Road |
| 6 | 16 | 15-03-08 | Domlur |

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 | 1 |

select count(report_num) CNT from car c,participated p where c.reg_num=p.reg_num and
model='Lancer';

| | CNT |
|---|-----|
| 1 | 1 |