CREATE TABLE PERSON ( DRIVER\_ID VARCHAR2(10), NAME VARCHAR2(20),ADDRESS VARCHAR2(15),PRIMARY KEY(DRIVER\_ID));

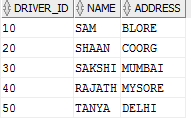
CREATE TABLE CAR (REGNO VARCHAR2(20), MODEL VARCHAR2(20), YEAR NUMBER(4), PRIMARY KEY(REGNO));

CREATE TABLE ACCIDENT(REPORT\_NO NUMBER(5), ACC\_DATE DATE, LOCATIOPN VARCHAR2(15), PRIMARY KEY(REPORT\_NO));

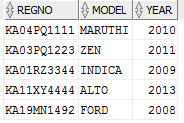
CREATE TABLE OWNS(DRIVER\_ID VARCHAR2(10), REGNO VARCHAR(10),PRIMARY KEY(DRIVER\_ID,REGNO),FOREIGN KEY(DRIVER\_ID) REFERENCES PERSON(DRIVER\_ID),FOREIGN KEY(REGNO) REFERENCES CAR(REGNO));

CREATE TABLE PARTICIPATED(DRIVER\_ID VARCHAR2(10),REGNO VARCHAR2(10),REPORT\_NO NUMBER(5),DAMAGE\_AMT NUMBER(7,2),PRIMARY KEY(DRIVER\_ID,REGNO,REPORT\_NO),FOREIGN KEY(DRIVER\_ID,REGNO) REFERENCES OWNS(DRIVER\_ID,REGNO) ON DELETE CASCADE, FOREIGN KEY(REPORT\_NO) REFERENCES ACCIDENT(REPORT\_NO) ON DELETE CASCADE);

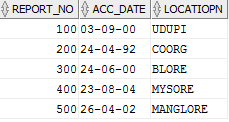
INSERT INTO PERSON VALUES('&DRIVER\_ID','&NAME','&ADDRESS');



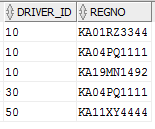
INSERT INTO CAR VALUES('&REGNO','&MODEL',&YEAR);



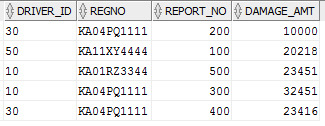
INSERT INTO ACCIDENT VALUES(&REPORT\_NO,'&ADATE','&LOCATION');



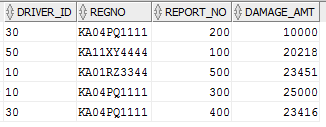
INSERT INTO OWNS VALUES('&DRIVER\_ID','&REGNO');



INSERT INTO PARTICIPATED VALUES('&DRIVER\_ID','&REGNO','&REPORT\_NO',&DAMAGE\_AMT);



UPDATE PARTICIPATED SET DAMAGE\_AMT=25000 WHERE REPORT\_NO =300 AND REGNO='KA04PQ1111';



SELECT COUNT(\*) FROM ACCIDENT WHERE ADATE LIKE '\_\_-\_\_-2002';

C:\Users\BMSCECSEIL74\Desktop\DATECHANGE.PNG

SELECT COUNT(A.REPORT\_NO) FROM ACCIDENT A, PARTICIPATED P, CAR C WHERE A.REPORT\_NO=P.REPORT\_NO AND P.REGNO=C.REGNO AND C.MODEL='MARUTHI';

C:\Users\BMSCECSEIL74\Desktop\CARCOUNT.PNG

create database Insurance;

use Insurance;

CREATE TABLE PERSON(DRIVER\_ID VARCHAR(10),NAME VARCHAR(20),ADDRESS VARCHAR(15),PRIMARY KEY(DRIVER\_ID));

show tables;

desc PERSON;

SELECT \*FROM PERSON;

create table car(regno varchar(10),Model varchar(20),Year date,Primary key(Regno));

create table Accident(report\_no int,ADATE DATE,Location varchar(15),Primary key(report\_no));

create table owns(driver\_id varchar(10),regno varchar(10),primary key(driver\_id,regno),

foreign key(driver\_id) references person(driver\_id) on delete cascade, foreign key(regno) references car(regno) on delete cascade);

CREATE TABLE PARTICIPATED(driver\_id varchar(10),regno varchar(10),report\_no int, damage\_amt float,

foreign key (driver\_id,regno) references OWNS(driver\_id,regno) ON DELETE CASCADE,

foreign key (REPORT\_NO) references ACCIDENT(REPORT\_NO) ON DELETE CASCADE);

show tables;

insert into PERSON(DRIVER\_ID,NAME,ADDRESS)values('1111','RAMU', 'K.S.LAYOUT');

insert into PERSON(DRIVER\_ID,NAME,ADDRESS)values('2222','JOHN', 'INDIRANAGAR');

insert into PERSON(DRIVER\_ID,NAME,ADDRESS)values('3333','PRIYA','JAYANAGAR');

insert into PERSON(DRIVER\_ID,NAME,ADDRESS)values('4444','GOPAL','WHITEFIELD');

insert into PERSON(DRIVER\_ID,NAME,ADDRESS)values('5555','LATHA',' VIJAYANAGAR');

COMMIT;

desc PERSON;

SELECT \*FROM PERSON;

insert into car(regno,Model,Year)values('KA04Q2301','MARUTHI-DX', '2000-10-11');

insert into car(regno,Model,Year)values('KA05P1000',' FORDICON','2000-09-08');

insert into car(regno,Model,Year)values('KA03L1234','ZEN-VXI', '1999-07-06');

insert into car(regno,Model,Year)values('KA03L9999',' MARUTH-DX', '2002-06-05');

insert into car(regno,Model,Year)values('KA01P4020',' INDICA-VX', '2002-05-04');

COMMIT;

desc car;

SELECT \*FROM car;

insert into Accident(report\_no,ADATE,Location)values('12',' 2002-06-02',' M G ROAD');

insert into Accident(report\_no,ADATE,Location)values('200',' 2002-12-10',' DOUBLEROAD');

insert into Accident(report\_no,ADATE,Location)values('300',' 1999-07-10','M G ROAD');

insert into Accident(report\_no,ADATE,Location)values('25000',' 2000-06-11',' RESIDENCY ROAD');

insert into Accident(report\_no,ADATE,Location)values('26500',' 2001-08-12',' RICHMOND ROAD');

COMMIT;

desc Accident;

SELECT \*FROM Accident;

insert into owns(driver\_id,regno)values('1111', 'KA04Q2301');

insert into owns(driver\_id,regno)values('1111','KA05P1000');

insert into owns(driver\_id,regno)values('2222','KA03L1234');

insert into owns(driver\_id,regno)values('3333','KA03L9999');

insert into owns(driver\_id,regno)values('4444','KA01P4020');

COMMIT;

desc owns;

SELECT \*FROM owns;

insert into PARTICIPATED(driver\_id,regno,report\_no,damage\_amt)values('1111', 'KA04Q2301',' 12',' 20000');

insert into PARTICIPATED(driver\_id,regno,report\_no,damage\_amt)values('2222','KA03L1234','200',' 500');

insert into PARTICIPATED(driver\_id,regno,report\_no,damage\_amt)values('3333','KA03L9999','300',' 10000');

insert into PARTICIPATED(driver\_id,regno,report\_no,damage\_amt)values('4444','KA01P4020','25000 ','2375');

insert into PARTICIPATED(driver\_id,regno,report\_no,damage\_amt)values('1111','KA05P1000','26500','70000');

COMMIT;

desc PARTICIPATED ;

SELECT \*FROM PARTICIPATED;

/\*

a. Update the damage amount for the car with a specific Regno in the accident with report number 12 to

25000.

\*/

UPDATE PARTICIPATED SET DAMAGE\_AMT=25000 WHERE REPORT\_NO =12 AND REGNO='KA04Q2301';

COMMIT;

desc PARTICIPATED ;

SELECT \*FROM PARTICIPATED;

/\*

b. Add a new accident to the database

\*/

insert into Accident(report\_no,ADATE,Location)values('500',' 2005-06-02','Mysore Road');

desc Accident;

SELECT \*FROM Accident;

/\*

iv. Find the total number of people who owned cars that involved in accidents in 2008

\*/

select count(\*) from Accident where year(ADATE)=2008;

/\*

V. Find the number of accidents in which cars belonging to a specific model were involved

\*/

SELECT COUNT(A.REPORT\_NO) FROM ACCIDENT A, PARTICIPATED P, CAR C

WHERE A.REPORT\_NO=P.REPORT\_NO AND

P.REGNO=C.REGNO AND C.MODEL='MARUTHI-DX';