

PROGRAM 1: INSURANCE DATABASE

Consider the Insurance database given below. The primary keys are underlined and the data types are specified.

PERSON (driver-id #: String, name: String, address: String)

CAR (Regno: String, model: String, year: int)

ACCIDENT (report-number: int, date: date, location: String)

OWNS (driver-id #: String, Regno: String)

PARTICIPATED (driver-id: String, Regno: String, report-number: int, damage-amount: int)

i. Create the above tables by properly specifying the primary keys and the foreign keys

```
CREATE DATABASE INSURANCE;
```

```
CREATE TABLE PERSON(  
  DRIVER_ID VARCHAR(20),  
  NAME VARCHAR(20),  
  ADDRESS VARCHAR(20),  
  PRIMARY KEY(DRIVER_ID));
```

```
INSERT INTO PERSON(DRIVER_ID,NAME,ADDRESS)  
VALUES('A1','TYAX','BASAVANGUDI,BANGLORE');
```

```
CREATE TABLE CAR(  
  REG_NO VARCHAR(20),  
  MODEL VARCHAR(20),  
  YEAR INT,  
  PRIMARY KEY(REG_NO));
```

```
INSERT INTO CAR(REG_NO,MODEL,YEAR)  
VALUES('KA37 0019','MARUTHI','2015');
```

```
CREATE TABLE ACCIDENT(  
  REPORT_NUMBER INT,  
  DATE DATE,  
  LOCATION VARCHAR(20),  
  PRIMARY KEY(REPORT_NUMBER));
```

```
INSERT INTO ACCIDENT(REPORT_NUMBE,LOCATION)  
VALUES('0013','BANGLORE');
```

```
CREATE TABLE OWNS(  
  DRIVER_ID VARCHAR(20),  
  REG_NO VARCHAR(20),
```

```
PRIMARY KEY(DRIVER_ID),  
FOREIGN KEY(DRIVER_ID) REFERENCES PERSON(DRIVER_ID));
```

```
CREATE TABLE PARTICIPATED(  
  DRIVER_ID VARCHAR(20),  
  REG_NO VARCHAR(20),  
  REPORT_NUMBER INT,  
  DAMAGE_AMOUNT INT,  
  PRIMARY KEY(DRIVER_ID,REG_NO,REPORT_NUMBER),  
  FOREIGN KEY(DRIVER_ID) REFERENCES PERSON(DRIVER_ID),  
  FOREIGN KEY(REG_NO) REFERENCES CAR(REG_NO),  
  FOREIGN KEY(REPORT_NUMBER) REFERENCES ACCIDENT(REPORT_NUMBER));
```

```
INSERT INTO PARTICIPATED(DAMAGED AMOUNT)  
VALUES('12000');
```