Lab -1

Program:- 1: Insurance Database

→ Consider the Insurance database given below. The primary Keys are to be identified and the data types are Specified.

1. Person
(driver-id#: String, name: String, address: String)

2. Car
(Regno: string, model: String, year: int)

3. Accident:
(report no. int, date: date, location: String)

4. Owns
(driver-id #: String, Regno: String)

5. Participated
(driver-Id: String, Regno: String, report.no: int, damage-amount: int)

(i) Create the above tables by properly Specifying the primary key and the forign keys.

(ii) Enter at least five tuples for each relation.

(iii) Demonstrate how you.

(a) Update the damage amount for the car with a Specific Regno in the accident with report no 12 to 25000.

(b) Add a new accident to the database.

(iv) Find the total no. of people who owned cars that involved in accident in 2008

(v) Find the no. of accidents in which cars belonging to a Specific model were involved.

(i) Create table person (
driver_id varchar(10), name varchar (20), Address varchar(10),
Primary key (driver_id)
);

Create table Car (
reg_num varchar (10))
model Varchar (10);
Year int,
PrimaryKey (reg_num)
);

Create table accident
(
report_num int,
accident_date date,
location Varchar (20);
primary key (report_num)
);

Create table Owns
(
driver_id varchar (10),
reg_num varchar (10),
Primary key (driver_id, regnum),
foregin key (driver_id) refrences person (driver_id),
foregin key (reg_num) references cas (reg_num)
);

Create table participated
(
driver_id varchar (10),
reg_num varchar (10);
damage amount int;
Primary key (driver_id, reg_num, report_num),
foreign key (driver_id) references person (driver_id),

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foregin key (reg-num) references car (reg-num);
foregin key (report-num) references accident (report-num)
);
```

(2) 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', 'Viru', 'N.R Colony');
insert into person values ('A05', 'Than', 'Hanumanth Nagar');
Select * from person;
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```
insert into Car values ('KA 05 2250', 'Indica', 1990);
insert into car values ('KA 031181', 'Lancer', 1957);
insert into car values ('KA 09 5477', 'Toyota', 1998);
insert into Car values ('KA 05 3408', 'Hondo', 2008);
insert into car values ('KA 04 1702', 'Audi', 2005);
Select * from car;
```

```
insert into accident values (11, '2002-03-01', 'Basavangudi Road');
insert into accident values (12, '2001-04-05', 'Kanakpura Road');
Insert into accident values (13, '2000-09-10', 'Ring Road');
insert into accident values (14, '2004-05-12', 'Mysore Road');
insert into accident values (15, '2003-07-28', 'Mysore Road');
Select * from accident.
```

```
insert into own values ('A01', 'KA 05 2250');
insert into own values ('A02', 'KA 031181');
insert into own values ('A03', 'KA 09 5477');
insert into own values ('A04', 'KA 05 3408');
insert into own values ('A05', 'KA 04 1702');
Select * from owns;
```

Insert into participated values ('A01', 'KA0S2250', 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, 8000);
Select * from participated.

(3)(a) Update participated
       SET damage_amount = 25000
       where report-num = 12;

(b) insert into accident values ('16', '2021-04-05', 'Bull Temple Road');
    select * from accident;

(4.) SELECT COUNT(Person) FROM car where year = 2008;
                        model

(5) Select Count (model) from Cras where model = 'Lancer';