WEEK 1 – Insurance Database 22/09/2025

Q. Create the above tables by properly specifying the primary keys and the foreign keys. Enter at least five tuples for each relation. Display Accident date and location. Update the damage amount to 25000 for the car with a specific reg\_num (example 'K A053408' ) for which the accident report number was 12. Add a new accident to the database.

USE THIS: PERSON (driver\_id: String, name: String, address: String)

CAR (reg\_num: String, model: String, year: int)

ACCIDENT (report\_num: int, accident\_date: date, location: String)

OWNS (driver\_id: String, reg\_num: String)

PARTICIPATED (driver\_id: String,reg\_num: String, report\_num: int, damage\_amount: int)

Solution: USE newdatabase01;

create table person (driver\_id varchar(10),

name varchar(20), address varchar(30), primary key(driver\_id));

create table car(reg\_num varchar(10),model varchar(10),year int, primary key(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, reg\_num),

foreign key(driver\_id) references person(driver\_id),

foreign key(reg\_num) references car(reg\_num));

create table participated(driver\_id varchar(10), reg\_num varchar(10),

report\_num int, 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));

INSERT into accident values (11, '2003-01-01',"Mysore Road");

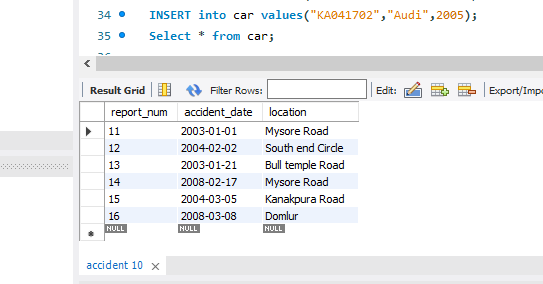
INSERT into accident values (12,'2004-02-02',"South end Circle");

insert into accident values (13,'2003-01-21',"Bull temple Road");

insert into accident values (14,'2008-02-17',"Mysore Road");

insert into accident values (15,'2004-03-05',"Kanakpura Road");

Select \* from accident;



INSERT into car values("KA052250","Indica",1990);

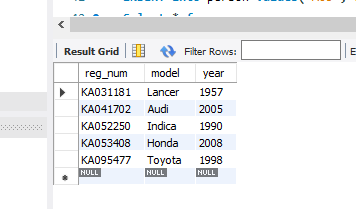
INSERT into car values("KA031181","Lancer",1957);

INSERT into car values("KA095477","Toyota",1998);

INSERT into car values("KA053408","Honda",2008);

INSERT into car values("KA041702","Audi",2005);

Select \* from car;



INSERT into person values("A01","Richard","Srinivas nagar");

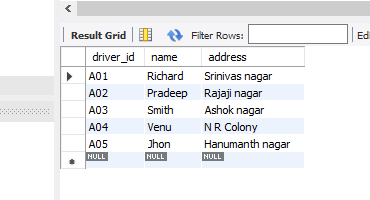
INSERT into person values("A02","Pradeep","Rajaji nagar");

INSERT into person values("A03","Smith","Ashok nagar");

INSERT into person values("A04","Venu","N R Colony");

INSERT into person values("A05","Jhon","Hanumanth nagar");

Select \* from person;



INSERT into owns values("A01","KA052250");

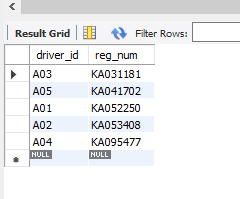
INSERT into owns values("A02","KA053408");

INSERT into owns values("A03","KA031181");

INSERT into owns values("A04","KA095477");

INSERT into owns values("A05","KA041702");

Select \* from owns;



INSERT into participated values("A01","KA052250",11,10000);

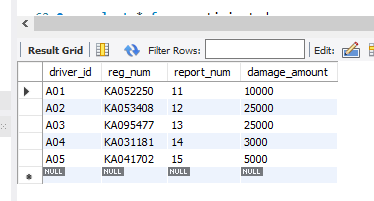
INSERT into participated values("A02","KA053408",12,50000);

INSERT into participated values("A03","KA095477",13,25000);

INSERT into participated values("A04","KA031181",14,3000);

INSERT into participated values("A05","KA041702",15,5000);

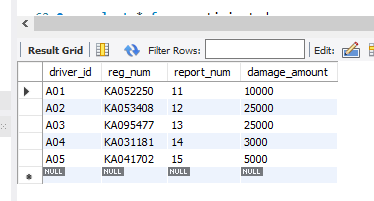
select \* from participated;



update participated set damage\_amount=25000

where reg\_num='KA053408' and report\_num=12;

select \* from participated;



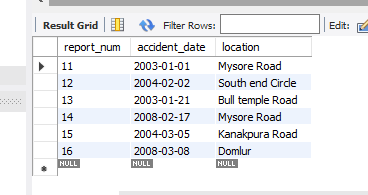
select count(distinct driver\_id) CNT

from participated a, accident b

where a.report\_num=b.report\_num and b.accident\_date like '%08%';

insert into accident values(16,"2008-03-08",'Domlur');

select \* from accident;



select driver\_id from participated where damage\_amount>=25000;

