

## 2. More Queries on Insurance Database

### PROGRAM 2. More Queries on Insurance Database

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)

Create the above tables by properly specifying the primary keys and the foreign keys as done in “Program 1” week’s lab and Enter at least five tuples for each relation.

- i. Display the entire CAR relation in the ascending order of manufacturing year.
- ii. Find the number of accidents in which cars belonging to a specific model (example 'Lancer') were involved. iii. Find the total number of people who owned cars that involved in accidents in 2008.
- iv. List the Entire Participated Relation in the Descending Order of Damage Amount. Find the Average Damage Amount.
- v. Delete the Tuple Whose Damage Amount is below the Average Damage Amount.
- vi. List the Name of Drivers Whose Damage is Greater than The Average Damage Amount. vii. Find Maximum Damage Amount.

### Creating database and table:

Database insurance\_141 and tables as per schema were created in the previous lab and it is as shown in the previous experiment.

### Queries :

- i. **Display the entire CAR relation in the ascending order of manufacturing year.**

select \* from car order by year asc;

reg_num	model	year
KA031181	Lancer	1957
KA052250	Indica	1990
KA095477	Toyota	1998
KA041702	Audi	2005
KA053408	Honda	2008
HULL	HULL	HULL

- ii. **Find the number of accidents in which cars belonging to a specific model (example 'Lancer') were involved.**

select count(report\_num) from car c, participated p  
where c.reg\_num=p.reg\_num and c.model='Lancer';

count(report_num)
1

- iii. **Find the total number of people who owned cars that were involved in accidents in 2008.**

select count(distinct driver\_id) CNT from participated a, accident b  
where a.report\_num=b.report\_num and b.accident\_date like '%2008%';

CNT
1