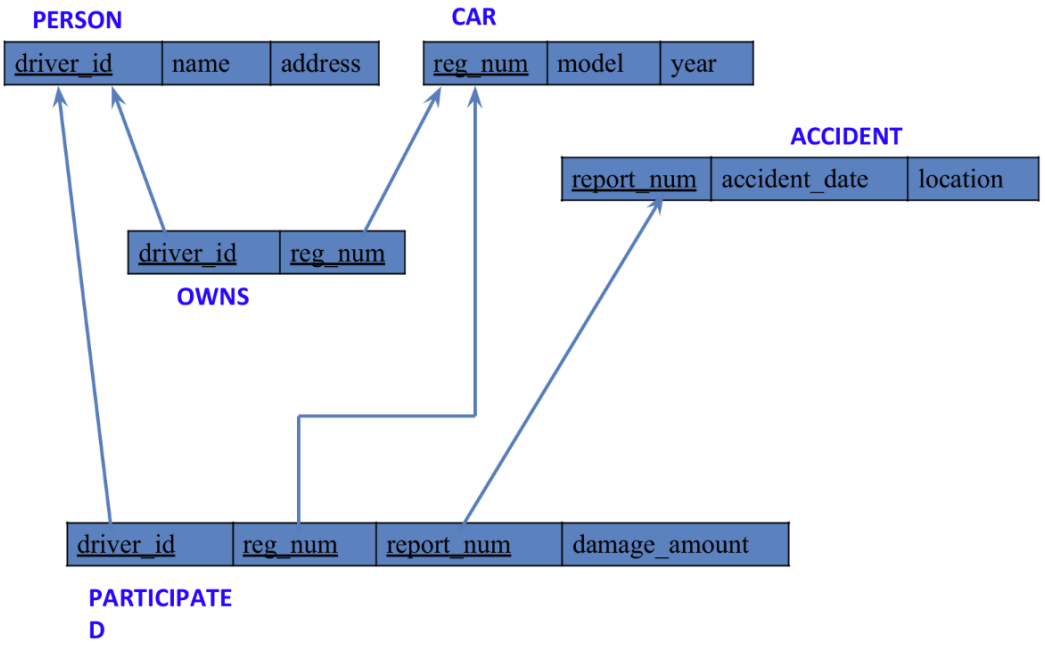
WEEK 2- More Queries on insurance database



PERSON

driver_id	name	address
A01	Richard	Srinivas nagar
A02	Pradeep	Rajaji nagar
A03	Smith	Ashok nagar
A04	Venu	N R Colony
A05	Jhon	Hanumanth nagar

CAR

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

OWNS

driver_id	reg_num
A01	KA052250
A02	KA053408
A03	KA031181
A04	KA095477
A05	KA041702

ACCIDENT

report_num	accident_date	location
11	01-JAN-03	Mysore Road
12	02-FEB-04	South end Circle
13	21-JAN-03	Bull temple Road
14	17-FEB-08	Mysore Road
15	04-MAR-05	Kanakpura Road

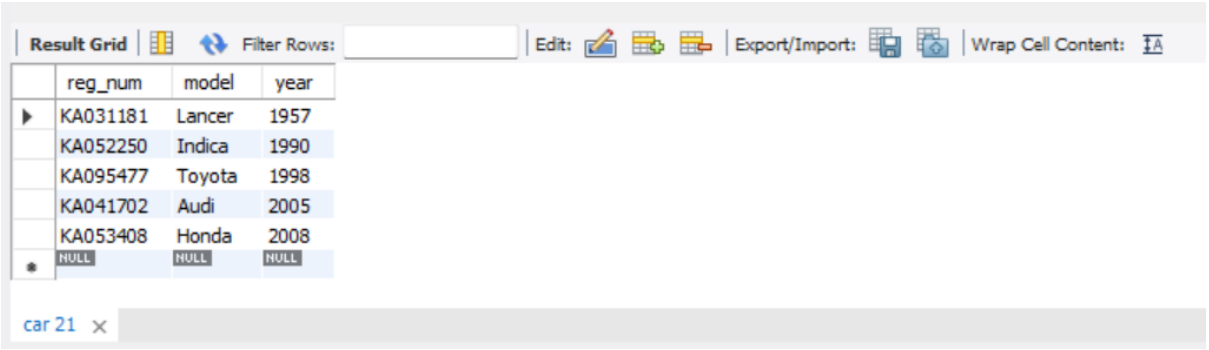
PARTICIPATE D

driver_id	reg_num	report_num	damage_amount
A01	KA052250	11	10000
A02	KA053408	12	50000
A03	KA095477	13	25000
A04	KA031181	14	3000
A05	KA041702	15	5000

QUERIES:

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

  select * from car order by year asc;



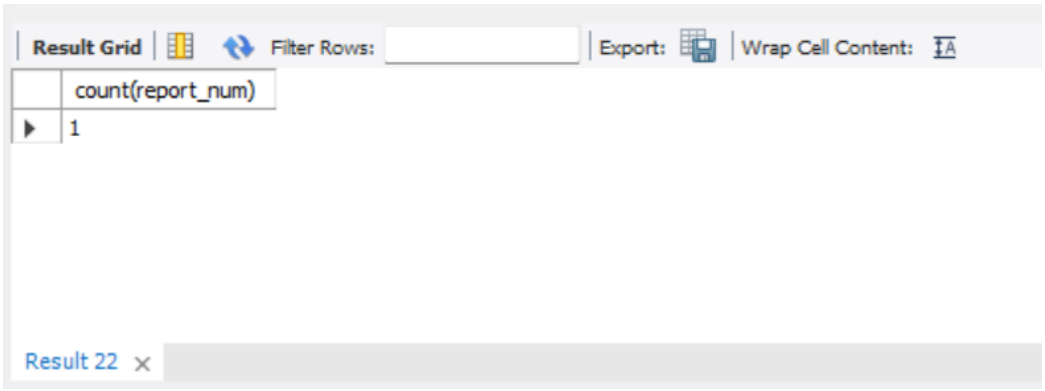
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

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

car 21

- **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';



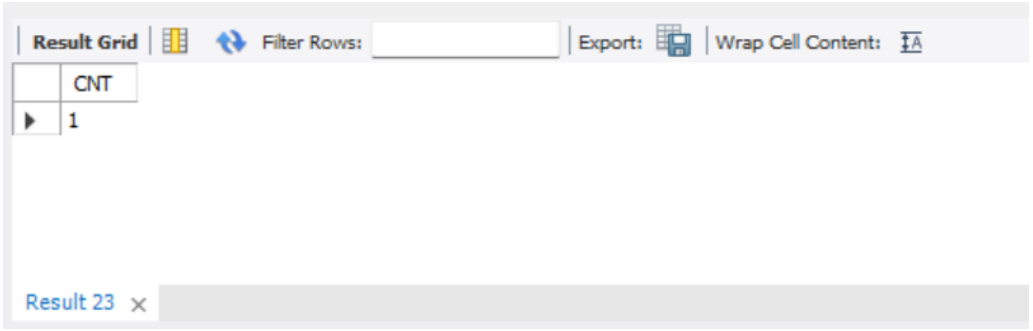
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

count(report_num)
1

Result 22

- **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 '__08%';



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

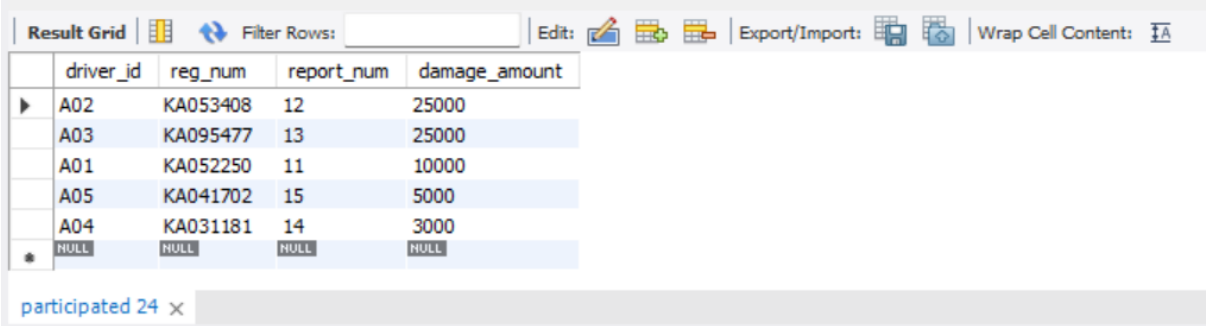
CNT
1

Result 23

TO DO:

- **LIST THE ENTIRE PARTICIPATED RELATION IN THE DESCENDING ORDER OF DAMAGE AMOUNT.**

  select * from participated order by damage_amount desc;



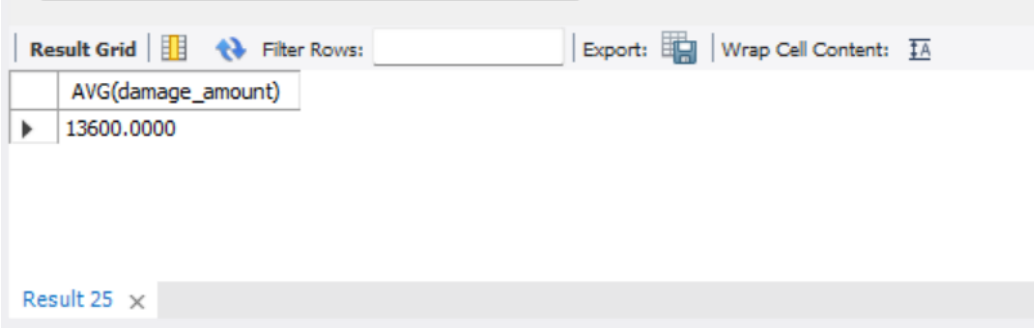
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

driver_id	reg_num	report_num	damage_amount
A02	KA053408	12	25000
A03	KA095477	13	25000
A01	KA052250	11	10000
A05	KA041702	15	5000
A04	KA031181	14	3000
NULL	NULL	NULL	NULL

participated 24

- **FIND THE AVERAGE DAMAGE AMOUNT**

  SELECT AVG(damage_amount) from participated;



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

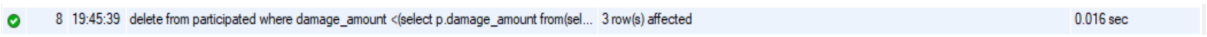
AVG(damage_amount)
13600.0000

Result 25

- **DELETE THE TUPLE WHOSE DAMAGE AMOUNT IS BELOW THE AVERAGE DAMAGE AMOUNT**

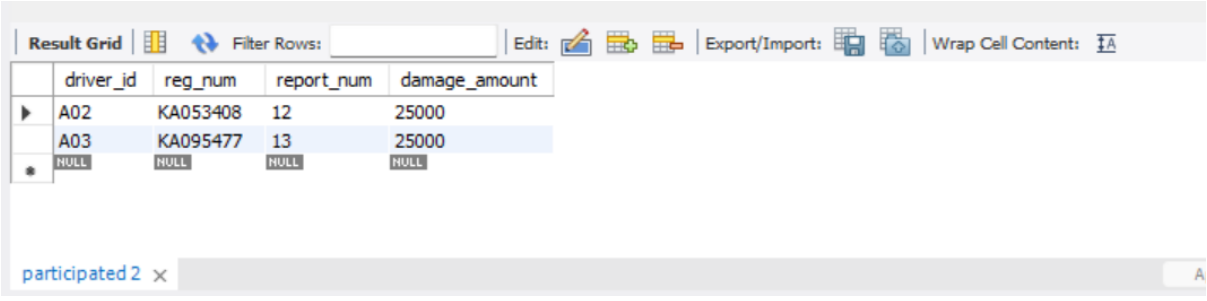
  delete from participated

  where damage_amount < (select p.damage_amount from(select AVG(damage_amount) as damage_amount FROM participated)p);



8 19:45:39 delete from participated where damage_amount <(select p.damage_amount from(sel... 3 row(s) affected 0.016 sec

  select * from participated;



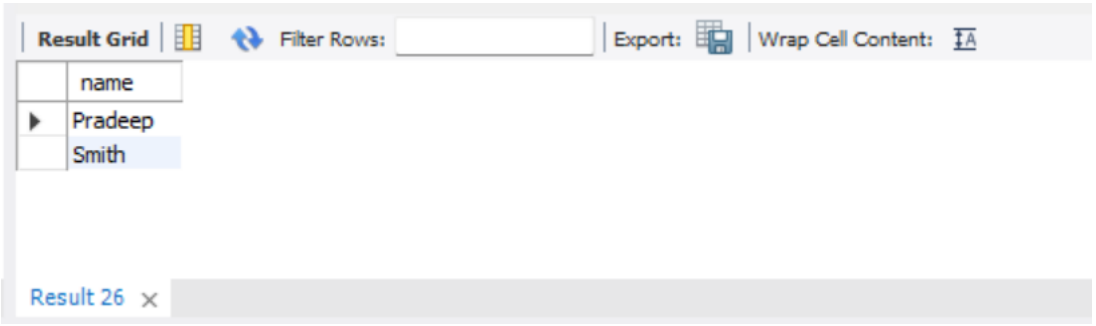
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

driver_id	reg_num	report_num	damage_amount
A02	KA053408	12	25000
A03	KA095477	13	25000
NULL	NULL	NULL	NULL

participated 2

- **LIST THE NAME OF DRIVERS WHOSE DAMAGE IS GREATER THAN THE AVERAGE DAMAGE AMOUNT.**

  select name from person p, participated part where p.driver_id=part.driver_id and damage_amount>(select AVG(damage_amount) FROM participated);



- **FIND MAXIMUM DAMAGE AMOUNT.**

  select MAX(damage_amount) from participated;