LAB 2 DBMS

1.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.

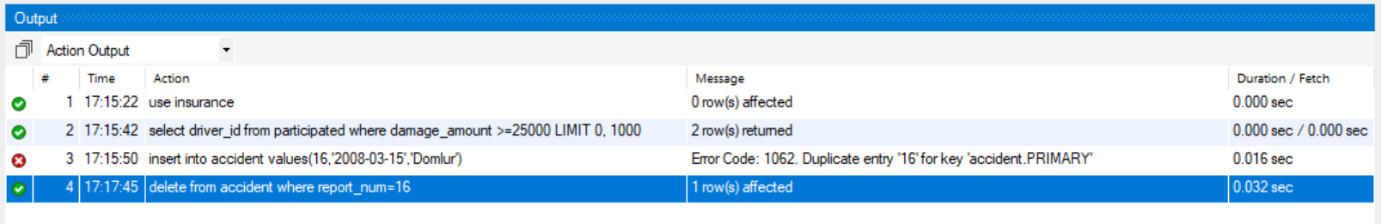
SQL query:

update participated

set damage\_amount=25000

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

output:



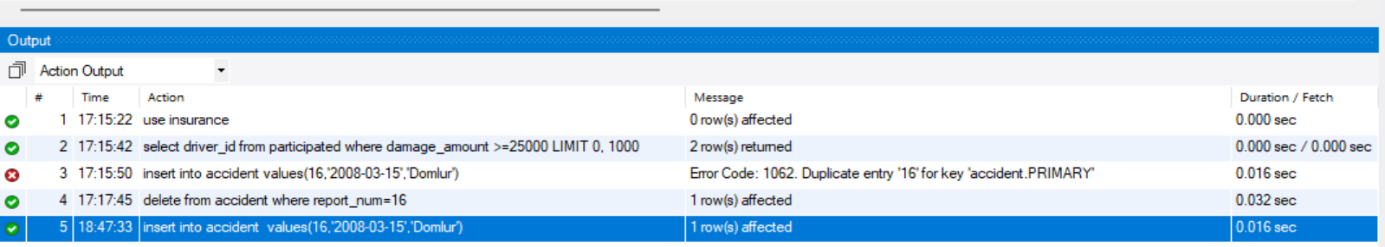
2. Add a new accident to the database.

SQL query:

insert into accident

values(16,'2008-03-15','Domlur');

output:



3. Find the number of accidents in which cars belonging to a specific model (example ‘Lancer’) were

involved.

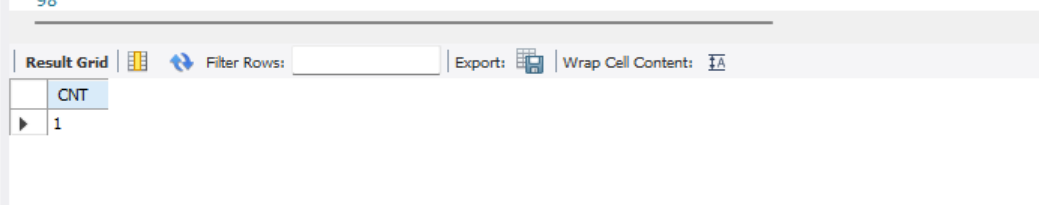
SQL query:

select count(report\_num) CNT

from car c, participated p

where c.reg\_num=p.reg\_num and model="Lancer";

output:



4. Find the total number of people who owned cars that involved in accidents in 2008.

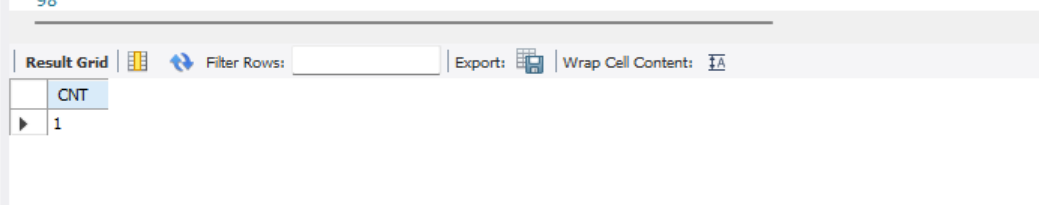
SQL query:

select count(report\_num) CNT

from accident

where year(accident\_date)="2008";

output:



5. Find the number of accidents in which cars belonging to a specific model (ex: ‘Lancer’) were

involved accidents in 2008.

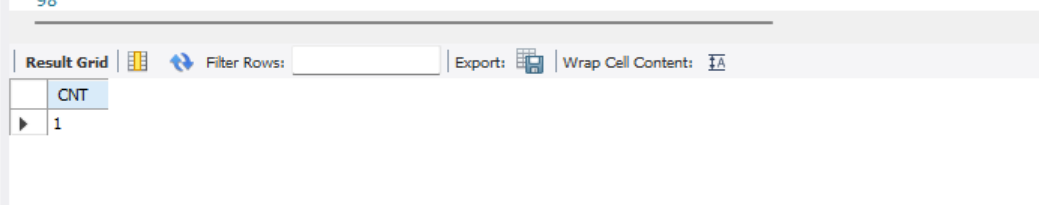
SQL query:

select count(a.report\_num) CNT

from car c, accident a

where year(a.accident\_date) ="2008" && c.model="Lancer";

output:



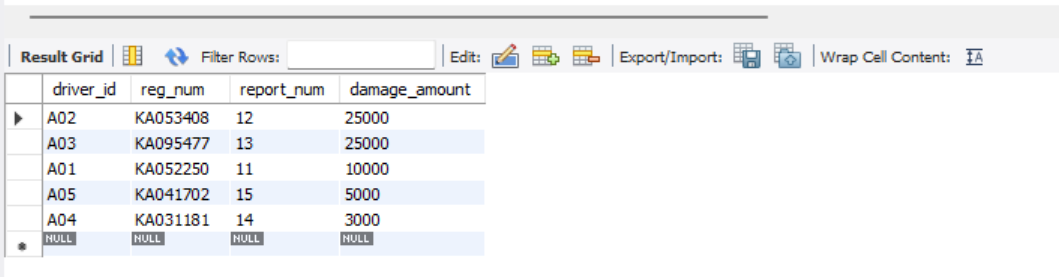
6. LIST THE ENTIRE PARTICIPATED RELATION IN THE DESCENDING ORDER OF DAMAGE AMOUNT.

SQL query:

SELECT \* FROM PARTICIPATED

ORDER BY DAMAGE\_AMOUNT DESC;

Output:

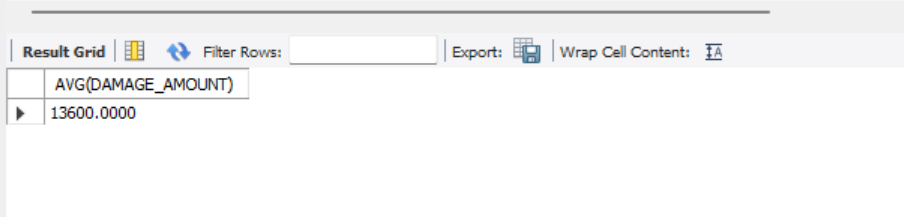


7. FIND THE AVERAGE DAMAGE AMOUNT

SQL query:

SELECT AVG(DAMAGE\_AMOUNT)

FROM PARTICIPATED;



8. DELETE THE TUPLE FROM PARTICIPATED RELATION WHOSE DAMAGE AMOUNT IS BELOW THE AVERAGE DAMAGE AMOUNT

SQL query:

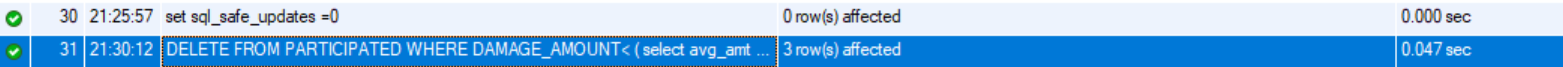
DELETE FROM PARTICIPATED

WHERE DAMAGE\_AMOUNT<

( select avg\_amt

FROM(SELECT AVG(DAMAGE\_AMOUNT) as avg\_amt FROM PARTICIPATED) as tmp);

Output:



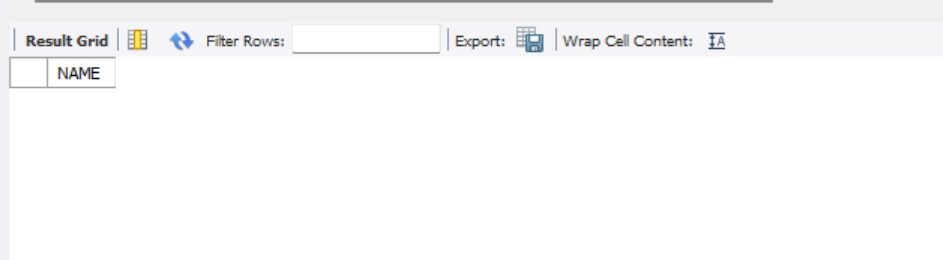
9. LIST THE NAME OF DRIVERS WHOSE DAMAGE IS GREATER THAN THE AVERAGE DAMAGE AMOUNT.

SQL query:

SELECT NAME FROM PERSON A, PARTICIPATED B WHERE A.DRIVER\_ID = B.DRIVER\_ID

AND DAMAGE\_AMOUNT>(SELECT AVG(DAMAGE\_AMOUNT) FROM PARTICIPATED);

Output:



10. FIND MAXIMUM DAMAGE AMOUNT.

SQL query:

SELECT MAX(DAMAGE\_AMOUNT) FROM PARTICIPATED;

Output: