NAME : LOPAMUDRA PATRO

SECTION : 3N

USN : 1WA24CS158

BATCH : BATCH-2(N2-ASK)

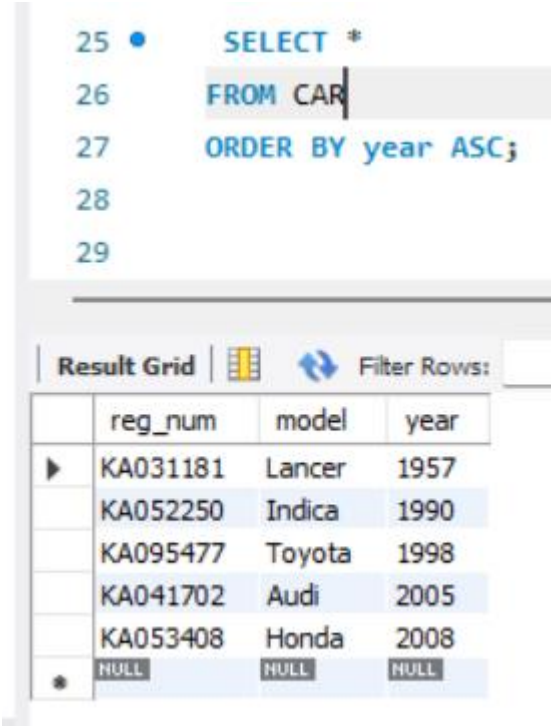
DBMS LAB WEEK-2 INSURANCE DB MORE QUERIES/ ADDITIONAL QUERIES

Queries:

1. **Display the entire CAR relation in the ascending order of manufacturing year.**
2. **Find the number of accidents in which cars belonging to a specific model (example 'Lancer') were involved.**
3. **Find the total number of people who owned cars that involved in accidents in 2008.**

Query 1:

SQL:



QUERY-2

Code type-1

```
select count(report_num)
from car c, participated p
where c.reg_num=p.reg_num and c.model='Lancer';
```

Alternate type code :

SQL:

```
30 •  SELECT COUNT(DISTINCT a.report_num) AS accident_count
31    FROM ACCIDENT a
32    JOIN PARTICIPATED p ON a.report_num = p.report_num
33    JOIN CAR c ON p.reg_num = c.reg_num
34    WHERE c.model = 'Lancer';
35
```

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

accident_count
0

QUERY-3:

Code type- 1:

```
select count(distinct driver_id) CNT
from participated a, accident b
where a.report_num=b.report_num and b.accident_date like '_ _08%';
```

Alternate Type Code :

SQL :

```
36 •  SELECT COUNT(DISTINCT o.driver_id) AS total_people
37    FROM OWNS o
38    JOIN PARTICIPATED p ON o.reg_num = p.reg_num
39    JOIN ACCIDENT a ON p.report_num = a.report_num
40    WHERE YEAR(a.accident_date) = 2008;
41
```

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

total_people
0

Database name here is insurance

TO DO :

- **LIST THE ENTIRE PARTICIPATED RELATION IN THE DESCENDING ORDER OF DAMAGE AMOUNT.**
- **FIND THE AVERAGE DAMAGE AMOUNT**
- **DELETE THE TUPLE WHOSE DAMAGE AMOUNT IS BELOW THE AVERAGE DAMAGE AMOUNT**
- **LIST THE NAME OF DRIVERS WHOSE DAMAGE IS GREATER THAN THE AVERAGE DAMAGE AMOUNT.**
- **FIND MAXIMUM DAMAGE AMOUNT.**

SQL:

```
1 •  USE insurance;
2 •  SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

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

```sql
USE insurance;
SELECT AVG(damage_amount) AS avg_damage FROM PARTICIPATED;
```

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

avg_damage
13600.0000

Result 2

Output

Action Output

#	Time	Action	Message
87	09:38:50	UPDATE PARTICIPATED SET damage_amount = 25000 WHERE reg_num = 'KA053408' AND report_num = 12	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
88	09:38:50	select * from participated LIMIT 0, 1000	5 row(s) returned
89	10:25:46	USE insurance	0 row(s) affected
90	10:25:46	SELECT * FROM PARTICIPATED ORDER BY damage_amount DESC LIMIT 0, 1000	5 row(s) returned
91	10:33:39	USE insurance	0 row(s) affected
92	10:33:39	SELECT AVG(damage_amount) AS avg_damage FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned

```sql
use insurancedb;
SET SQL_SAFE_UPDATES = 0;
DELETE FROM PARTICIPATED
WHERE damage_amount < (
    SELECT avg_val
    FROM (
        SELECT AVG(damage_amount) AS avg_val
        FROM PARTICIPATED
    ) AS temp
);
SET SQL_SAFE_UPDATES = 1;
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 7

Output

Action Output

#	Time	Action	Message
122	10:46:13	SELECT MAX(damage_amount) AS max_damage FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned
123	10:46:39	DELETE FROM PARTICIPATED WHERE damage_amount < (SELECT avg_val FROM (SELECT AVG(d...	0 row(s) affected
124	10:46:53	SELECT p.name FROM PERSON p JOIN PARTICIPATED pa ON p.driver_id = pa.driver_id WHERE pa.damage_...	0 row(s) returned
125	10:47:29	SELECT MAX(damage_amount) AS max_damage FROM PARTICIPATED LIMIT 0, 1000	1 row(s) returned
126	10:48:37	SET SQL_SAFE_UPDATES = 1	0 row(s) affected
127	10:49:26	SELECT * FROM PARTICIPATED LIMIT 0, 1000	2 row(s) returned

```sql
SELECT p.name
FROM PERSON p
JOIN PARTICIPATED pa ON p.driver_id = pa.driver_id
WHERE pa.damage_amount > (
    SELECT avg_val FROM (
        SELECT AVG(damage_amount) AS avg_val FROM PARTICIPATED
    ) t
);
```

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

name

```sql
SELECT MAX(damage_amount) AS max_damage FROM PARTICIPATED;
```

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

max_damage
25000

Thank you