

Sudhanva S M – 1BM24CS296

Insurance Database

select * from accident;

	report_num	accident_date	location
▶	11	2001-01-03	Mysore Road
	12	2002-02-04	South end Circle
	13	2021-01-03	Bull temple Road
	14	2017-02-08	Mysore Road
	15	2004-03-05	Kanakpura Road

select driver_id from participated

where damage_amount >= 25000;

	driver_id
▶	A02
	A03
	A05

select p.driver_id, p.name, o.reg_num, c.model

from person p, owns o, car c

where p.driver_id = o.driver_id and c.reg_num = o.reg_num;

	driver_id	name	reg_num	model
▶	A01	Richard	KA052250	Indica
	A02	Pradeep	KA053408	Honda
	A03	Smith	KA031181	Lancer
	A04	Venu	KA095477	Toyota
	A05	Jhon	KA041702	Audi

select p.driver_id, p.name, a.location, pa.damage_amount

from person p, accident a, participated pa

where p.driver_id = pa.driver_id and a.report_num = pa.report_num;

	driver_id	name	location	damage_amount
▶	A01	Richard	Mysore Road	10000
	A02	Pradeep	South end Circle	25000
	A03	Smith	Bull temple Road	25000
	A04	Venu	Mysore Road	3000
	A05	Jhon	Kanakpura Road	25000

```

select a.report_num, p.driver_id, p.damage_amount
from accident a, participated p
where a.report_num = p.report_num;

```

	report_num	driver_id	damage_amount
▶	11	A01	10000
	12	A02	25000
	13	A03	25000
	14	A04	3000
	15	A05	25000

```

select p.name, p.driver_id
from person p, accident a, participated pa
where p.driver_id = pa.driver_id and pa.report_num = a.report_num
group by p.name, p.driver_id
having count(pa.report_num) > 1;

```

	name	driver_id
--	------	-----------

```

select c.reg_num
from car c
where c.reg_num not in
(select p.reg_num
from participated p);

```

	reg_num
*	NULL

```

select max(accident_date) as Latest_Date
from accident;

```

	Latest_Date
▶	2021-01-03

```

select driver_id, avg(damage_amount)
from participated
group by driver_id;

```

	driver_id	avg(damage_amount)
▶	A01	10000.0000
	A02	25000.0000
	A03	25000.0000
	A04	3000.0000
	A05	25000.0000

```

update participated
set damage_amount = 25000
where driver_id = 'A05';
select * from participated;

```

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

```

select driver_id, damage_amount
from participated
where damage_amount = (select max(damage_amount)
from participated);

```

	driver_id	damage_amount
▶	A02	25000
	A03	25000
	A05	25000
*	NULL	NULL

```

select p.driver_id, c.model , p.damage_amount
from participated p, car c
where damage_amount > 20000 and p.reg_num = c.reg_num;

```

	driver_id	model	damage_amount
►	A02	Honda	25000
	A03	Lancer	25000
	A05	Audi	25000

```

create view AccSum as
select a.report_num, a.accident_date, a.location, count(p.driver_id) as total_drivers,
sum(p.damage_amount) as total_damage
from accident a, participated p
where a.report_num = p.report_num
group by a.report_num, a.accident_date, a.location;
SELECT * FROM AccSum;

```

	report_num	accident_date	location	total_drivers	total_damage
►	11	2001-01-03	Mysore Road	1	10000
	12	2002-02-04	South end Circle	1	25000
	13	2021-01-03	Bull temple Road	1	25000
	14	2017-02-08	Mysore Road	1	3000
	15	2004-03-05	Kanakpura Road	1	25000