NAME: VINAYKUMAR USN: 1BM24CS327 show databases; create database test; use test; create table person(driver_id varchar(10) primary key, name varchar(20), adress varchar(30)); desc person; create table car(reg_num varchar(10) primary key, model varchar(10), year int); desc car; create table accident(report_num int primary key, accident_date date, location varchar(20)); desc accident; create table owns(driver_id varchar(10),reg_num varchar(10), primary key(driver_id, reg_num), foreign key(driver_id) references person(driver_id),

foreign key(reg_num) references car(reg_num));

desc owns;

WEEK 01 AND WEEK 02

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create table participated(driver_id varchar(10), reg_num varchar(10),
report_num int, damage_amount int,
primary key(driver_id, reg_num, report_num),
foreign key(driver_id) references person(driver_id),
foreign key(reg_num) references car(reg_num),
foreign key(report_num) references accident(report_num));
desc participated;
insert into person values("A01", "richard", "srinivas nagar"),
("A02", "pradeep", "rajaji nagar"),
("A03", "smith", "ashok nagar"),
("A04","venu","nk colony"),
("A05","john","hanuman nagar");
insert into car values("KA052250", "indica", 1990),
("KA052251","toyota",1957),
("KA052252","honda",1998),
("KA052253","audi",2008),
("KA052254","lambo",2005);
insert into owns values("A01","KA052250"),
("A02","KA052251"),
("A03","KA052252"),
("A04","KA052253"),
("A05","KA052254");
INSERT INTO accident VALUES(11, '2003-01-01', 'Mysore Road'),
(12, '2004-02-02', 'South end Circle'),
(13, '2003-01-21', 'Bull temple Road'),
(14, '2008-02-17', 'Mysore Road'),
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(15, '2005-03-04', 'Kanakpura Road');

INSERT INTO participated VALUES('A01', 'KA052250', 11, 10000),

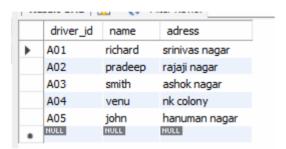
('A02', 'KA052251', 12, 20000),

('A03', 'KA052252', 13, 25000),

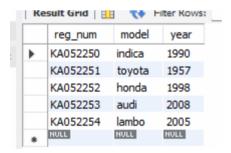
('A04', 'KA052253', 14, 30000),

('A05', 'KA052254', 15, 50000);

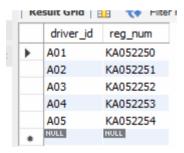
select * from person;



select * from car;



select * from owns;



select*from accident;

	report_num	accident_date	location
•	11	2003-01-01	Mysore Road
	12	2004-02-02	South end Circle
	13	2003-01-21	Bull temple Road
	14	2008-02-17	Mysore Road
	15	2005-03-04	Kanakpura Road
	16	2008-03-15	Domlur

select*from participated;

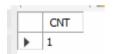
1				
	driver_id	reg_num	report_num	damage_amount
•	A01	KA052250	11	10000
	A02	KA052251	12	25000
	A03	KA052252	13	25000
	A04	KA052253	14	30000
	A05	KA052254	15	50000
	NULL	NULL	NULL	NULL

update participated set damage_amount=25000 where report_num=12; insert into accident(report_num, accident_date, location) values (16,'2008-03-15','Domlur');

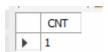
select * from car order by year asc;



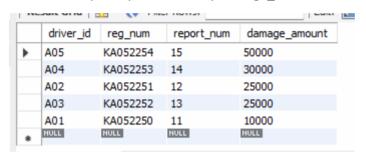
select count(*) CNT from car c,participated p where c.reg_num=p.reg_num and model="audi";



select count(driver_id) CNT from participated a,accident b where a.report_num=b.report_num and year(b.accident_date)=2003;



select * from participated order by damage_amount desc;

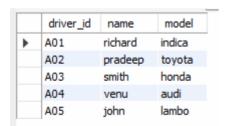


-- week 02

select accident_date, location from accident;

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	accident_date	location
•	2003-01-01	Mysore Road
	2004-02-02	South end Circle
	2003-01-21	Bull temple Road
	2008-02-17	Mysore Road
	2005-03-04	Kanakpura Road
	2008-03-15	Domlur

select p.driver_id, p.name, c.model from person p, car c,owns o
where p.driver_id = o.driver_id and o.reg_num = c.reg_num;



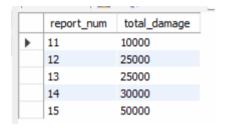
select a.report_num, a.accident_date, a.location, m.driver_id, p.damage_amount from accident a,participated p, person m

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

		4.			-
	report_num	accident_date	location	driver_id	damage_amount
•	11	2003-01-01	Mysore Road	A01	10000
	12	2004-02-02	South end Circle	A02	25000
	13	2003-01-21	Bull temple Road	A03	25000
	14	2008-02-17	Mysore Road	A04	30000
	15	2005-03-04	Kanakpura Road	A05	50000

select report_num, SUM(damage_amount) AS total_damage from participated

group by report_num;

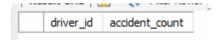


select driver_id, count(distinct report_num) as accident_count

from participated

group by driver_id

having count(distinct report_num) > 1;



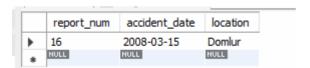
select c.reg_num, c.model

from car c ,participated p

where c.reg_num = p.reg_num and p.reg_num IS NULL;



select * from accident order by accident_date desc limit 1;



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

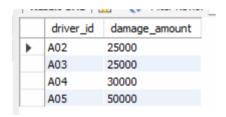
	driver_id	avg_damage	
•	A01	10 10000.0000	
	A02	25000.0000	
	A03	25000.0000	
	A04	30000.0000	
	A05	50000.0000	

select driver_id, damage_amount from participated

order by damage_amount desc limit 1;

driver_id	damage_amount
▶ A05	50000

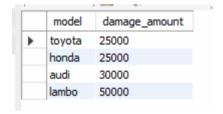
select distinct driver_id,damage_amount from participated where damage_amount >= 25000;



select c.model, p.damage_amount

from car c,participated p

where c.reg_num = p.reg_num and damage_amount>20000;



create view acci_summary as

select

a.report_num, a.accident_date, a.location,

count(p.driver_id) as participant_count,

sum(p.damage_amount) as total_damage

from accident a,participated p
where a.report_num = p.report_num
group by a.report_num;

select * from acci_summary;

		••			
	report_num	accident_date	location	participant_count	total_damage
•	11	2003-01-01	Mysore Road	1	10000
	12	2004-02-02	South end Circle	1	25000
	13	2003-01-21	Bull temple Road	1	25000
	14	2008-02-17	Mysore Road	1	30000
	15	2005-03-04	Kanakpura Road	1	50000