USN-1BM24CS315 LAB-1 (INSURANCE DATABASE)

Queries:

1. Show all accidents(date and location):

SELECT accident\_date,location from ACCIDENT;

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1. Find drivers who caused damage>=25000

select person.name

from person,participated

where person.driver\_id=participated.driver\_id

and participated.damage\_amount>=25000;

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1. List each driver with the cars they own(one row per ownership)

select person.name,car.reg\_num,car.model

from person,owns,car

where person.driver\_id=owns.driver\_id

and owns.reg\_num=car.reg\_num;

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1. Show accidents and drivers involved(including damage amount)

select accident.report\_num,accident.accident\_date,accident.location,person.name as driver\_name, participated.damage\_amount

from accident,participated,person

where accident.report\_num=participated.report\_num

and participated.driver\_id=person.driver\_id

order by accident.report\_num;

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1. Total damage per accident report

select report\_num, sum(damage\_amount)as total\_damage

from participated

group by report\_num

order by report\_num;

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1. Latest accident(most recent accident\_date):

select \*

from accident

order by accident\_date desc

limit 1;

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1. Average damage amount per driver:

select person.name,avg(participated.damage\_amount)as average\_damage

from person, participated

where person.driver\_id=participated.driver\_id

group by person.driver\_id,person.name

order by average\_damage desc;

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1. Update:set damage\_amount=25000 for a specific car and report example

update participated set damage\_amount=25000 where reg\_num='KA062330' and report\_num=12;

select \* from participated;

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1. Find drivers who caused the maximum damage in any single accident.

select person.name, participated.damage\_amount,participated.report\_num

from person,participated

where person.driver\_id=participated.driver\_id

and participated.damage\_amount=(select max(damage\_amount) from participated);

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1. Create a view summarizing accidents with participants count and total damage.

create view accidentsummary as

select accident.reprt\_num,

accident.accident\_date,

accident.location,

count(participated.reg\_num) as participant\_count,

sum(participated.damage\_amount)as total\_damage

from accident,participated

where accident.report\_num=participated.report\_num

group by accident.report\_num,accident.accident\_date

order by accident.report\_num;

select \* from accidentsummary;

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