3.4

1. select count(distinct driver\_id)

from participated natural join accident

where date between date ‘2009-01-01’ and date ‘2009-12-31’

1. insert into accident values (22,’2019-10-01’,’福州’)

insert into participated

select 22,car.license,owns.driver\_id,3000

from person natural join owns natural join car

where person.name = ‘Jones’ and car .model = ‘Toyota’

1. delete from car

where model = ‘Mazda’ and license in

(select license from person natural join owns where person.name=’John Smith’)

3.11

c.select dept\_name,max(salary)

from instructor

group by dept\_name

1. select min(maximum)

from (select dept\_name, max(salary) as maximum

from instructor

group by dept\_name)

3.14

a.

select count (\*)

from accident

where exists

(select \*

from participated, owns, person

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

and person.name = ‘John Smith’

and owns.license = participated.license

and accident.report\_number = participated.report\_number)

b.

update participated

set damage\_amount = 3000

where report\_number = ‘AR2197’ and license = ‘AABB2000’

3.15

1. select distinct customer\_name

from depositor as D

where not exist (select branch\_name

from branch

where branch\_city=’Brooklyn’

except

select branch\_name

from depositor natural join account as A

where A.customer\_name = D.customer\_name)

3.21

d.

with B as

(select count(\*)

from member)

select count(\*)/B

from borrowed;