Shuong Vu HW3

3.10

2/2

a) Update employee set city = 'Newton' whore person-game = 'Jones'

Set T. salary = T. Salary \* 1.03

where T. employue name in (select manager name

from manages)

and T. salary \* 1.1 > 100000

and T. company-name = 'Frest Back Corporation'

> Update works T

set T. salary = T. salary \* 1.1

where T. employee - name in (select memages name
from manages)

and T. salary \* 1.1 <= 100000

and T. company - name = 'Frest Bank Corporation'

3.17

a) Update works T

Sot T. Salary = T. Salary + 1.1

where T. company-name = 'First Bank Corporation'

b) Update vertes T set T. salay = T. salay \* 1.1 where T. employer-name in (select manager-name from manges)

and T. company-name = 'First Lank Corporation'

c) tolete vorts where company name = 'Small Bank Corporation' 415 Create view student grades (IP, GPA) as solver ID, total-points / (case 11)
when total-credits = 0 14 ken NULL end else total credits from (( select ID, sum (cose when grade = NULL thon 0 else grade as total-credits, sum (cont grad = NULL then O end) as total - points from (tukes northeral soin course) natural left outer soin grade-points group by ID) unim ID, NULL Select Student from ID not in (solat ID from takes)) whore 4.8 a) Select ID, name, sec\_id, somester, year, time-slot-id, count (distinct building, ram-number)

a) Select ID, name, sec\_id, somester, year, time-slot-id, count (distinct but
from instructor radiard your deaches natural join section
group by (ID, name, sec\_id, somester, year, time-slot-id)
howing count (building, room-number) > 1

create assertion check not exists

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(select Jo, name, sec\_id, senester, year, time\_slot\_id, count (dustrot building, non-number)

from instructor northeral soin toucher northeral soin see than

group by (ID, name, sec\_id, & mester, year, time-slot\_id)

Navny count (building, room-number) 1 1

4.14 create view tot credite (year, num credits) as
Select year, sum (tot-cred)

from student natural join takes

group by year

4.18

No, thus doosint cause cycle in the authorization graph because A house all authorization on relation r, also to the public. So, when is grants select on r and public to A, it doesn't effect any thing or any conflict because A already have all authorization.

A -> r Agantselects