Exercise 11

S1260027

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Q1 Annual interest is paid by increasing balance by 5 % for accounts with balance more than ’500’. Please update the relation and check values after update. Exit psql and reload psql. Please check the contents of the table.

Before update:

スクリーンショットの画面

自動的に生成された説明

After update:

SQL: UPDATE account set balance = balance \* 1.05 where balance >= 500;

スクリーンショットの画面

自動的に生成された説明

Q2 QUERIES : Use "LIKE"/"NOT LIKE" predicate.

1. Find all branches where city name begins with ’B’,

SQL: Select \* from branch where branch\_name like ‘B%’;

Result:

スクリーンショット が含まれている画像

自動的に生成された説明

1. Find all branches where city name begins with characters other than ’B’

SQL: Select \* from branch where branch\_name not like ‘B%’;

Result:

スクリーンショットの画面

自動的に生成された説明

Q3 Find all customers who have an account at all branches located in city ’Brooklyn’. ( Please see OHPs for divide )

Algebra : Πc\_n,b\_n(D IXI A) ÷Πb\_nσb\_c=’Brooklyn’(B)

SQL:

SELECT distinct D.customer\_name FROM depositor as D

WHERE not exists (

(SELECT branch\_name

FROM branch

WHERE branch\_city = 'Brooklyn')

EXCEPT

(SELECT R.branch\_name

FROM depositor as T, account as R

WHERE T.account\_number = R.account\_number and

D.customer\_name = T.customer\_name ))

Result: