Exercise 9

S1260027

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Q9 Find all customers, who have loan or an account, or both at a bank.

SQL: Select distinct customer\_name from depositor

union

Select distinct customer\_name from borrower;

Result:

スクリーンショットの画面

自動的に生成された説明

Q10 Find all customers, who have loan or an account, or both at a bank (please show duplicates, if any).

SQL: Select distinct customer\_name from depositor

union all

Select distinct customer\_name from borrower;

Result:

文字と写真のスクリーンショット

自動的に生成された説明

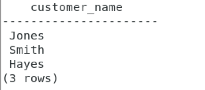
Q11 Find all customers, who have both a loan and an account, at a bank.

SQL: Select distinct customer\_name from depositor

intersect

Select distinct customer\_name from borrower;

Result:



Q12 Find all customers, who have either a loan or an account, at ??Perryridge?? branch).

SQL: Select customer\_name from account,depositor

where account.account\_number=depositor.account\_number

and branch\_name=’Perryridge’

union

Select customer\_name from borrower,loan

where loan.loan\_number=borrower.loan\_number

and branch\_name='Perryridge';

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

Q13 Find all customers, who have both a loan and an account, at a bank and his loan.amount > account.balance ).

SQL: Select distinct depositor.customer\_name from account

join depositor on account.account\_number=depositor.account\_number

join borrower on depositor.customer\_name=borrower.customer\_name

join loan on borrower.loan\_number=loan.loan\_number

where loan.amount > account.balance;

Result:

白いバックグラウンドのスクリーンショット

自動的に生成された説明

Q14 Find names of all branches, that have assetts greater than at least one branch located in ??Brooklyn?? .

SQL: Select branch\_name from branch

where assetts > (select min(assets) from branch

where branch\_city = 'Brooklyn');

Result:

文字と写真のスクリーンショット

自動的に生成された説明

Q15 Find names of customers, who have an account but no loan at the bank.

SQL: Select customer\_name from depositor

except

Select customer\_name from borrower;

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

Q16 List the entire loan relation in descending order of amount. If many loans have same amount. Please sort them in ascending order of loan number.

SQL: Select \* from loan order by amount DESC, loan\_number ASC;

Result:

スクリーンショットの画面

自動的に生成された説明