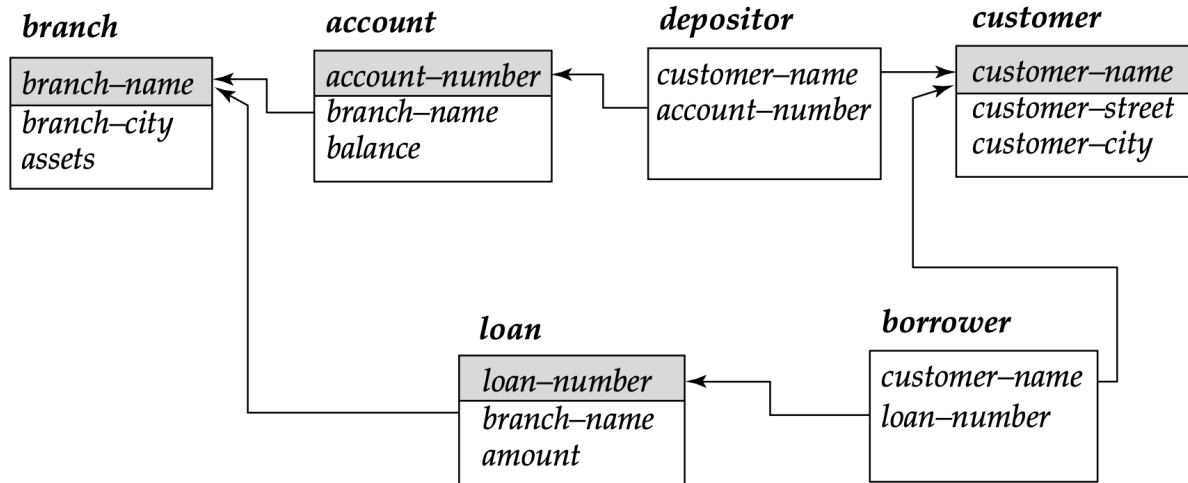


Q1 (30 pts):

Assume that you are tasked to type the SQL *Query* to “Find all customers who have an account at all the branches located in *Brooklyn*.” based on the following schema diagram for a banking enterprise.



Complete the following SQL statement to guarantee it satisfactorily meets the *Query*.

Note: There are six missing lines to be completed.

from depositor as S

from branch

from depositor as T, account as R

Student ID and Name:

CS281 – Quiz 2, 4/13/26

Signature:

Dr. Mustafa Degerli

Q2 (40 pts):

Give a real-world example of a relational schema that is in Third Normal Form (3NF). Then, provide a decomposition of this schema into BCNF that is lossless but not dependency-preserving. Support your answer with appropriate justifications.

Student ID and Name:

CS281 – Quiz 2, 4/13/26

Signature:

Dr. Mustafa Degerli

Q3 (30 pts):

Regarding your project work in the scope of CS281, please provide the following data and information.

Note: If you requested to be exempt from the project work, please provide a summary of your contributions to the project in previous editions of this course.

- **Name** of your project team:
- Specify who served as the team **leader** and justify your choice:
- State who acted as the team **manager** and explain the reasoning:
- Identify the team's **top contributor** member and explain why:
- Mention one team member whose absence would **not** have significantly impacted the project: