

*branch*(branch\_name, branch\_city, assets)  
*customer* (customer\_name, customer\_street, customer\_city)  
*loan* (loan\_number, branch\_name, amount)  
*borrower* (customer\_name, loan\_number)  
*account* (account\_number, branch\_name, balance )  
*depositor* (customer\_name, account\_number)

**Figure 3.19** Banking database for Exercises 3.8 and 3.15.

- 3.8** Consider the bank database of Figure 3.19, where the primary keys are underlined. Construct the following SQL queries for this relational database.
- Find all customers of the bank who have an account but not a loan.
  - Find the names of all customers who live on the same street and in the same city as “Smith”.
  - Find the names of all branches with customers who have an account in the bank and who live in “Harrison”.
- 3.15** Consider the bank database of Figure 3.19, where the primary keys are underlined. Construct the following SQL queries for this relational database.
- Find all customers who have an account at *all* the branches located in “Brooklyn”.
  - Find out the total sum of all loan amounts in the bank.
  - Find the names of all branches that have assets greater than those of at least one branch located in “Brooklyn”.