EPPS 6354: Assignment 2

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Question 1

- A ***relation schema*** is a set of relational tables and other associated objects that have a relationship with each other
  - Example: All tables in the database including classroom, department, course, instructor, section, teaches, student, takes, advisor, time_slot, and prereq + all the relationships between those tables
- A ***relation*** is the established association between tables
  - Example: Department and Instructor table share dept_name
- An ***instance*** is a single copy of the software running on a single server
  - Example: When a new class is added, the instance after the addition will have more records than the instance before addition

Question 2

branch

branch_name

branch_city

assets

loan

loan_number

branch_name

amount

account

account_number

branch_name

balance

borrower

ID

loan_number

customer

ID

customer_name

customer_street

customer_city

depositor

ID

account_number

Question 3

- Primary keys: depositor, branch, customer
- Foreign keys: account, loan, borrower