EXERCISES

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RELATIONAL DESIGN

EXERCISE 1

- Design a relational database to describe the information of all departues from a train station.

- Every day many trains depart from the station

- Every day the same trains depart from the station

- Information about each departure must include: train number, time, final destination, type (e.g. Local or express) , and stops (intermediate destinations), each with its arrival time.

- Define tables, attributes and constraints as appropriate

EXERCISE 2

- Design a relational database to describe the schedule of radio programs of all radio stations.

- Information to describe includes: radio station name, program name, program time, radio station frequency, and radio station

- Note: two, or more, radio stations may air the same program

- Define tables, attributes and constraints as appropriate

SQL

EXERCISE 3

- Design a relational database to describe the information of all departues from a train station.
- Every day many trains depart from the station
- Every day the same trains depart from the station
- Information about each departure must include: train number, time, final destination, type (e.g. Local or express) , and stops (intermediate destinations), each with its arrival time.
- Define tables, attributes and constraints as appropriate
- **Provide working SQL DDL statements**

EXERCISE 4

- Create a relational database to describe the schedule of radio programs of all radio stations.

- Information to describe includes: radio station name, program name, program time, radio station frequency, and radio station

- Note: two, or more, radio stations may air the same program

- Define tables, attributes and constraints as appropriate

- **Provide working SQL DDL statements**