



Database System Concepts

Seventh Edition

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We provide below the DDL and sample data for the tables in the university that we use in our text, with one change: instead of using the **time** data type, which is not supported on some databases such as Oracle, we split `start_time` into `start_hr` and `start_min`, and `end_time` into `end_hr` and `end_min`, which are integer types. If the database you use supports the **time** type, and you wish to use it, you can modify the DDL and the sample data files accordingly.

- [DDL](#) (use this the first time), [DDL with drop table](#) (use this if you wish to recreate the database after dropping existing tables)

- [SQL code for creating small relations](#)

The file `smallRelationsInsertFile.sql` contains data that matches Appendix A exactly. The file contains SQL insert statements to load data into all the tables, after first deleting any data that the tables currently contain. The data include students taking courses outside their department, and instructors teaching courses outside their department; this helps detect errors in natural join specifications that accidentally equate department names of students or instructors with department names of courses.

- [SQL code for creating large relations](#)

The file `largeRelationsInsertFile.sql` contains SQL insert statements for larger, randomly created relations for a truly strange university (since course titles and department names are chosen randomly).

The sizes of the relations are as follows:

department	20
instructor	50
student	2000
course	200
prereq	100
section	100
time_slot	20
teaches	100
takes	30000
advisor	2000

- [tableGen.java](#)

The file `tableGen.java` contains a Java program for generating the `largeRelations` data. Be warned that some versions of the eclipse Java compiler lack the `java.util.Scanner` class that this program uses; if you run into a problem compiling this program, we suggest you upgrade to the latest version of the eclipse Java compiler, or use the Sun Java compiler instead.