Fundamentals of Data Management

Pass Tasks 5.1: SQL - Data Definition Language

Overview

In this tutorial, you will practise using SQL DDL statements to CREATE, ALTER and DROP tables in databases.

Purpose

Learn to write SQL DDL statements to create tables.

Task

Solve the tasks given below.

Time

This task should be completed in your fifth lab class and submitted for feedback in the fifth lab or at the beginning of lab 6.

Resources

- Online module (from Canvas)

- Elmasri & Navathe, Fundamentals of Database Systems

- Connolly & Begg, Database Systems, Chapter 7

- Online resources, e.g.
    - Several topics on SQL at this link:
      http://www.w3schools.com/sql/default.asp

Feedback

Discuss your solutions with the tutorial instructor.

Next

Get started on module 6.

Pass Tasks 5.1 — Submission Details and Assessment Criteria

Document your solutions to the tasks using a Word processor and upload to Doubtfire as pdf. The tutors will discuss them with you in the lab.
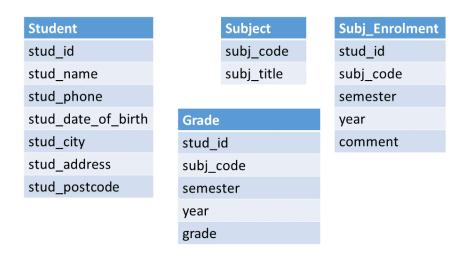
Consider the following:

Student		Subject		Subj_Enrolment
stud_id		subj_code		stud_id
stud_name		subj_title		subj_code
stud_phone				semester
stud_date_of_birth		**Grade**		year
stud_city		stud_id		comment
stud_address		subj_code		
stud_postcode		semester		
		year		
		grade		

Figure 1: Parts of the University Database

Subtask 5.1.2

Define the primary key for each relation. Make sure the primary key identifies each tuple uniquely. There can (and will) be composite keys. Do not use surrogate keys (do no add additional attributes to the relations).

Document in a table:

Relation	Primary key
Student	…
Enrolment	…, …, …

Upload to Doubtfire.