Faculty of Science, Engineering and Technology

Fundamentals of Data Management

Pass Tasks 5.1.4: 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.

Resources

- 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 Task 5.1.5.

Pass Tasks 5.1.3 — 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.
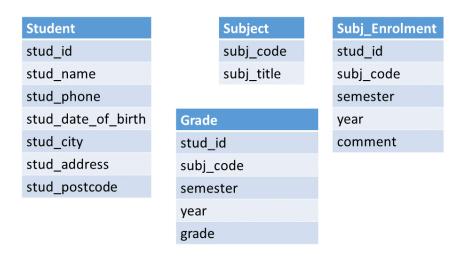
Consider the following:

Student
stud_id
stud_name
stud_phone
stud_date_of_birth
stud_city
stud_address
stud_postcode

Subject
subj_code
subj_title

Grade
stud_id
subj_code
semester
year
grade

Subj_Enrolment
stud_id
subj_code
semester
year
comment

Figure 1: Parts of the University Database

Subtask 5.1.4

Write the appropriate DDL statement to create the University database shown in figure 1. Try them out in a database of your choice, e.g. MySQL in the XAMPP / VM.

Document the script and upload.