



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 5.1.5

Write the scripts that do the following:

- Modify the STUDENT table, add new column called gender and add check constraints to make sure that the values stored are either Male or Female
- Modify the SUBJ_ENROLMENT table, delete the comment column

Document the solution and upload.