



# Fundamentals of Data Management

## Pass Tasks 5.1.5: 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 credit Task 5.2.1.

## Pass Tasks 5.1.5 — 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.