



Fundamentals of Data Management

Pass Tasks 5.1.2: 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 Task5.1.3.

Pass Tasks 5.1.2 — 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		year
stud_city		comment
stud_address		
stud_postcode		
	Grade	
	stud_id	
	subj_code	
	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 not add additional attributes to the relations).

Document in a table:

Relation	Primary key
Student	...
Enrolment	..., ..., ...

Upload to Doubtfire.