



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		year
stud_city		comment
stud_address		
stud_postcode		
	Grade	
	stud_id	
	subj_code	
	semester	
	year	
	grade	

Figure 1: Parts of the University Database

Subtask 5.1.3

What are the foreign key constraints that should be included when creating the tables in the University database in figure 1?

Relation	Foreign key	References
Employee	branch_id	Branch.branch_id

The 'References' column lists the primary key (branch_id) the foreign key links to and the relation which has this primary key (Branch).

Upload to Doubtfire.