# **Fundamentals of Data Management**

Pass Tasks 5.1.3: 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.

#### <u>Next</u>

Get started on Task 5.1.4.

### 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:

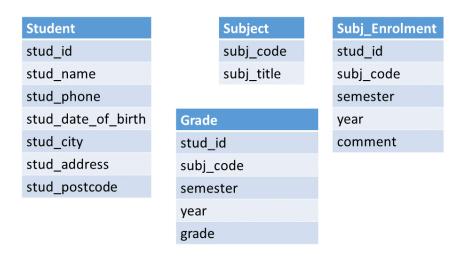


Figure 1: Parts of the University Database

### 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.

