

CT230 Database Systems I
CT241 Information Systems I
15-September-2011: Assignment 1

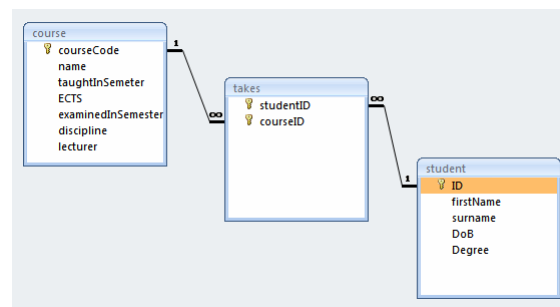
Due: Corrected at lab on Thursday 22nd September

Learning Outcomes: To become familiar with MS Access 2007 without having step-by-step instructions.

Goal: This assignment involves opening an existing database file and inserting and deleting some data from the database.

Tasks:

1. Download the file `modules.accdb` from Blackboard and save to your local directory.
2. Open MS Access 2007.
3. Find and choose the menu options to open the database file `modules.accdb`
4. Open each table, find the menu options for datasheet view and design view for each table.
5. Find the relationship menu option (*hint: see Database Tools*) where you should see the 3 tables from the data and their relationships/links as shown below.



6. Complete each of the following tasks

1. Enter your own data in to the student table.
2. Enter the details of one of your subjects which are not listed in the course table.
3. For each course listed in the course table (including the one entered from task 2) enter the correct data in the takes table: that is your ID and the course code for each course you take.
4. Try delete the course *ct241* from the course table. Can you understand the problem?
5. Try insert the following tuples to the database. Document any problems.
 - (123456, Sam Walsh, 21/12/1993, BA) in to `student` relation
 - Partial details in to `course` relation on a course with no `courseCode` called “Next Generation Technologies”, taught in semester 1 and 2 and examined in Semester 2.
 - (123456, ct331) in to the `takes` relation.

Correction:

Lab assistants will check your database today or the latest, next Thursday, 20th, in the lab. This will involve you showing:

The `course` table with the new data inserted.

The `subject` table with the new data inserted.

The `takes` table with the listing of all courses you take from those listed in the `course` table.

Asking you about any problems with question 5.

PLEASE NOTE: Lab tutors are present to *assist* and *correct* your material. It is in your own best interest to first attempt to:

- Read and understand the lab sheet
- Attempt the questions

before seeking help. If after trying this then do not hesitate to put your hand up and seek help.