

Computer Science Summer School 2007

**Information Management
Lab Exercise**

Database Quiz

Lab Activity

You can use your lecture notes, your own knowledge, and the internet to answer the following questions. If you cannot find the answer to a question after 5 mins then leave that question out and return to it at the end.

Answer the questions in your own words where possible as we will be sharing our answers once the quizzes are completed.

If you do not understand an explanation from the lecture notes or the internet then please ask your tutor or a classmate. There is no point in having all the answers written down if you do not understand what they mean.

- 1) What is a DBMS?

- 2) What is a record in a database?

- 3) What is SQL?

- 4) In a relational database, what is the data structure that holds a single piece of data, such as first name or phone number.

- 5) Who developed the relational model of databases and when?

- 6) What do you call a field that uniquely identifies a record?

- 7) What is the difference between a candidate key and a primary key?

- 8) What does the term persistence mean in terms of databases?

- 9) What are the four key functions of a Database Management System?

10) What do you call a description of a database?

11) What is an ER Model?

12) What is an entity?

13) What is an attribute?

14) Other than the relational model, what other types of model of database are available?

15) What is data integrity?