S4 Computing Science Homework

# \*THIS HOMEWORK EXERCISE IS DUE FOR TUESDAY 10TH OCTOBER\*

1. An example of a database record is shown below.



a) State the field type used for Forename. (1)

b) State the field type used for Full Time. (1)

b) The table will make use of a primary key and foreign key.

 i) Describe what is meant by a Primary Key. (1)

 ii) Describe what is meant by a Foreign Key. (1)

2. Describe two advantages of using a relational database rather than a flat file database for storing data. (2)

3. Bike Scotland uses a flat file database to store details of its members and affiliated cycling clubs. A decision is made to create a relational database consisting of two tables: Member and Club.



a) State the fields that should be included in the MEMBER table and CLUB table. (2)

b) Identify a Primary Key for each table. (1)

c) Identify the Foreign Key. (1)

**Total: 10 Marks**