



Test yourself

The following notes summarize this topic. The notes are incomplete because they miss some words. Using the words in the list below, copy out and complete the sentences A-N. Each word can be used more than once.

- A. Numeric data can be in two forms integer or **real**.
- B. Letters and numbers together are called **alphanumeric** data.
- C. Logical or **Boolean** data can have only of two values: true or false.
- D. A **key field** is a piece of data in a database system that is unique to a particular record.
- E. All the data relating to a single thing or person is called a **record**.
- F. A record consists of many **fields**.
- G. A database where the data is held in two or more with links established between them is called a **relational** database.
- H. Flat-file databases only contain one **table** of data.
- I. Relational databases have **links** called relationships between the tables.
- J. In order to create a relationship a primary key in one table is linked to the same field called a **foreign** key in the other table.
- K. Flat file may suffer from data **redundancy** where a lot of the data in the in the table is repeated.
- L. An analogue signal from a temperature sensor will need to be converted into a **digital** signal before it can be processed by a computer.
- M. Changing from an analogue to a digital signal is performed using an **Analogue to digital** converter.
- N. In order to control a device such as a motor, a digital signal from the computer will need to be changed into an **digital** one and this is done using a **digital to analogue** converter.