Database Fundamentals

Lab Sheet 1

Part A:

1a. Data is a collection of facts that can be numbers, words or measurements.

1b. Persistent storage is non-volatile storage, meaning that the storage remains intact even when the device is powered off.

1c. A database is a tool to store data permanently.

1d. Databases Management System is a collection of programs that enables users to create and maintain a database.

1e. Database Systems is a high-level definition of the structure and relationship between stored data, a database or databases, users and the hardware or the operating system used for the storage.

1f. SQL, also known as Structured Query Language is a standard computer language for relational database management and data manipulation.

2a. MySQL is the world’s most popular database. It is owned by Oracle and is an open-source database. MySQL is a Relation Database Management System and is a first choice database for many organisations in the world, including, Facebook, YouTube and Twitter.

2b. MsAccess is a database management system which is currently owned by Microsoft.