Database Management System (DBMS)

Database Management System is a software package that can be used to create and deploy databases. According to wikipedia.org, "Database Management System is the software that interacts with end users, applications, and the database itself to capture and analyse the data."

While a database is simply a collection of tables containing well organized data, a database management system contains several user interfaces for the creation, inputting, retrieval/querying, and interpreting of data from the database.

Some examples of Database Management Systems are MySQL, PostgreSQL, Microsoft Access, SQL Server, dBase, FoxPro, etc.

Advantages of DBMS

1. DBMS makes it very easy to create and manage a database without coding.
2. DBMS makes it very easy for information to be retrieved from a database.
3. DBMS makes it very easy to store very large amounts of data in a structured or pseudostructured manner.
4. DBMS makes it easy for users to put in their records into a database without knowing how to code.
5. DBMS shows the relationships between data in different tables/databases at a glance by means of schemas

Disadvantages of DBMS

1. Cost of hardware and software of a DBMS is quite high which increases the budget of your organization.

2. Most databases management systems are often complex systems, so the back end users need to undergo training to use the databases properly.
3. Databases are computer files and could be corrupted and thus lead to file loss.

Microsoft (MS) Access

MS Access is a Database Management System from Microsoft Inc. It saves databases as *.accdb file, i.e. access database file. Earlier versions of MS Access stored database files as *.mdb.

To Open MS Access

- Press Win + R,
- Type in “msaccess”, then
- Press Enter

To Create a New Database

- After opening the MS Access software, click on new database
- Type in the name of the database and then press Enter

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