

Database Management system in agriculture

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1 Data Base

A database is a systematic collection of data arranged in columns and rows. It can be used to quickly retrieve, sort and test data meeting specific criterion. In database language, each row is called a record and each column a field. A database is used to store large volumes of data.

2 DBMS

A database management system is the software that functions as the interface between users, other programs and the database itself. It allows the data to be stored, maintained, manipulated and retrieved.

3 Features of DBMS

The DBMS permits the user to create, maintain and manipulate the information stored within a file. These features are common to almost all database packages.

1. Creating a file
2. Entering database records
3. Sorting
4. Deleting
5. Updating

4 Structure of database management packages

The structure of DBMS is used to organize the data elements in three basic ways:

1. Hierarchical database structure
2. Network database structure
3. Relational database structure

5 Relational Database Management Systems (RDBMS)

A relational database management system is defined as a method of viewing information from several, separate databases that relate to one another through keywords or values

Features of RDBMS

1. Tables
2. Queries
3. Forms
4. Reports

Excel as package for RDBMS

To some extent, Microsoft Excel also serves as database management software, which stores data in the form of columns and rows. In Excel there are 256 columns and 65,536 rows.

Sort: Use the Sort dialog box to sort a range of selected cells.