

Overview of DBMS

 [javatpoint.com/dbms-overview](https://www.javatpoint.com/dbms-overview)

Database

Database is a collection of inter-related data which is used to retrieve, insert and delete the data efficiently. It is also used to organize the data in the form of table, schema, views and reports etc.

For example: College Database organizes the data about the admin, staff, students and faculty etc.

Using the database, you can easily retrieve, insert and delete the information.

Database Management System

Database management system is software which is used to manage the database. For example: MySQL, Oracle etc. are very popular commercial database which are used in different applications.

DBMS allows users the following tasks:

- **Data Definition:** It is used for creation, modification and removal of definition that defines the organization of data in database.
- **Data Updation:** It is used for insertion, modification and deletion of the actual data in the database.
- **Data Retrieval:** It is used to retrieve the data from the database which can be used by applications for various purposes.
- **User Administration:** It is used for registering and monitoring users, maintain data integrity, enforcing data security, dealing with concurrency control, monitoring performance and recovering information corrupted by unexpected failure.

Features of DBMS

- It is used to support manipulation and processing of data.
- It is used to provide security of data.
- It can view the database from different viewpoints according to the requirements of the user.
- It uses a digital repository established on a server to store and manage the information.