

Difference between Database and DBMS:

S. No.	Category	Database	DBMS
1.	Storage	Besides computers, database is maintained in physical ledgers, books or papers.	In a database management system (DBMS), all the records are maintained only on a computer .
2.	Data Retrieval	The retrieval of information from the databases can be done manually , through queries or by using programs (C, C++, Java etc.).	We can retrieve the data from the database management system through queries written in SQL .
3.	Speed	As databases can be handled manually it can be very slow.	As a computer system is involved in a database management system, the retrieval of information is very quick.
4.	Access	The database is designed for a very small number of people (preferably few people) who access data at different times.	The database management system is designed for a large number of people who can access the data at the same time.
5.	Data Manipulation	Very less information can be modified at a time.	A lot of information can be changed at one time (as it can have many users using it at the same time).
6.	Backup and Recovery	The databases do not ensure that the data will be available after failure arises.	The database management system (DBMS) ensures that the data will always be available even after system failures.