**Difference between Database and DBMS:**

| S. No. | Category | Database | DBMS |
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| 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. |