The difference between DBMS and Databases:

A database is collection of various pieces of data. The purpose of the data is to store information that is needed to be retrieved and then used to complete varying tasks. A database management system is software that can be very complex and is a location where data can be stored again and then accessed and manipulated according to specific programs. When we are comparing the two let us use a chart to represent some of the differences:

| S. No. | Category | Database | DBMS |
| --- | --- | --- | --- |
| 1. | Storage | Besides computers, databases can even be 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 or via computers, when SQL is not used to retrieve information, 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 databases are not designed for a large number of people who can access data at the same time, rather it 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 | In case of the databases, very less information can be modified at a time. | In the database management system (DBMS), 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. |

DriveManager Class:

The DriveManager Class is another interface in Java. It acts between the user and the drivers and it keeps track of the drivers that are available to be used and helps to establish a connection between a DB and the driver. This class “maintains a list of Driver classes that have registered themselves by calling DriverMaanger.registerDriver()” ([www.javapoint.com](http://www.javapoint.com)). This is a list of the useful methods of this class:

Table

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