|  |  |  |
| --- | --- | --- |
| S.NO. | File System | DBMS |
| 1. | File system is a software that manages and organizes the files in a storage medium within a computer. | DBMS is a software for managing the database. |
| 2. | Redundant data can be present in a file system. | In DBMS there is no redundant data. |
| 3. | It doesn’t provide backup and recovery of data if it is lost. | It provides backup and recovery of data even if it is lost. |
| 4. | There is no efficient query processing in file system. | Efficient query processing is there in DBMS. |
| 5. | There is less data consistency in file system. | There is more data consistency because of the process of normalization. |
| 6. | It is less complex as compared to DBMS. | It has more complexity in handling as compared to file system. |
| 7. | File systems provide less security in comparison to DBMS. | DBMS has more security mechanisms as compared to file system. |
| 8. | It is less expensive than DBMS. | It has a comparatively higher cost than a file system. |

# Difference between File System and DBMS

## Popular DBMS Software’s (or) Examples of DBMS S/W’S

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Here, is the list of some popular DBMS system:

* [MySQL](https://www.guru99.com/sql.html)
* Microsoft Access
* Oracle
* PostgreSQL
* dBASE
* FoxPro
* SQLite
* IBM DB2
* MariaDB
* Microsoft SQL Server etc.

## Application of DBMS

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

|  |  |
| --- | --- |
| Banking |  |
| Airlines |  |
| Universities |  |
| Telecommunication |  |
| Finance |  |
| Sales |  |
| Manufacturing |  |
| HR Management |  |