



DATABASE SYSTEM

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NAME: Bareera Amjad

SAP_ID: 66043

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Submitted to: Ma'am Nehan Sahar

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Write the difference between DBMS and RDBMS?

| DBMS | RDBMS |
|---|---|
| DBMS is software used to store, manage, and retrieve data from databases. | RDBMS is an advanced form of DBMS that stores data in tables (relations) . |
| Data is stored as files or in a non-tabular form. | Data is stored in rows and columns (tables). |
| Does not support relationships between data. | Supports relationships using primary and foreign keys. |
| Higher chances of data redundancy. | Reduced redundancy due to normalization. |
| Integrity constraints are not strictly enforced. | Strict integrity constraints (primary key, foreign key, unique). |
| Provides less security. | Provides better security with authorization and constraints. |
| Limited support for multiple users. | Limited support for multiple users. |
| Suitable for small applications. | Suitable for large applications |
| File system, XML database | MySQL, Oracle, SQL Server, PostgreSQL |