

# Difference Between DBMS and RDBMS



A database is a collection of organized or arranged data that can be easily accessed, updated/ modified or controlled. Information within the database can be easily placed into rows and columns, or tables. Meanwhile, database management enables the user to store, manage and access data. Knowing the definitions and the difference between relational database management system and database management system will help candidates to prepare well.

Here, in this article, we have classified database management methods that include:

- Database Management System (DBMS)
- Relational Database Management System (RDBMS)

## What is a Database Management System(DBMS)?

Database Management System (DBMS) is software used to identify, manage, and create a database that provides administered access to the data.

## What is a Relational Database Management System (RDBMS)?



Relational Database Management System (RDBMS) is a more advanced version of a DBMS system that allows access to data in a more efficient way. It is used to store or manage only the data that are in the form of tables.

### What is the Difference between DBMS and RDBMS?

DBMS stands for Database Management System, and RDBMS is the acronym for the Relational Database Management system. In DBMS, the data is stored as a file, whereas in RDBMS, data is stored in the form of tables. To know what is the difference between RDBMS and DBMS, check out the table below.

### Difference between RDBMS and DBMS

RDBMS	DBMS
Data stored is in table format	Data stored is in the file format
Multiple data elements are accessible together	Individual access of data elements
Data in the form of a table are linked together	No connection between data
Normalisation is not achievable	There is normalisation
Support distributed database	No support for distributed database
Data is stored in a large amount	Data stored is a small quantity
Here, redundancy of data is reduced with the help of key and indexes in RDBMS	Data redundancy is common
RDBMS supports multiple users	DBMS supports a single user
It features multiple layers of security while handling data	There is only low security while handling data
The software and hardware requirements are higher	The software and hardware requirements are low
Oracle, SQL Server.	XML, Microsoft Access.

