**AWS RDS ---> Relational Databases**

Database -> data will be stored permanently

Relational database means, data will be stored in the form of rows and columns (in the form of tables)

Example: ID, name, image,

Non-cloud database

1. Purchase database server license
2. Install DB server software
3. Security responsibility is on your head
4. Good support for Networking
5. Backup database

Major cloud providers ---> they are providing the database on cloud so no Security concerns, no Networking issues, no Backup issues

We are only going to buy the database services from the cloud providers

Database: It is a software, which is used to store data permanently

We have many database management softwares ---> Oracle, MySQL, Postgres, SQLServer

Every application will use database to store and manage data. Relational databases store data in table format (rows and columns)

Limitations to have on prem database:

Security concerns, Network issues, Backup issues, Administration issues

To overcome on prem database maintenance challenges, we can use Cloud database service

AWS RDS service provides cloud database facility

---> RDS stands for Relational Database Service in AWS cloud, which can be used to create and manage relational database

---> RDS is a fully managed service in AWS cloud and works based on pay-as you go model



