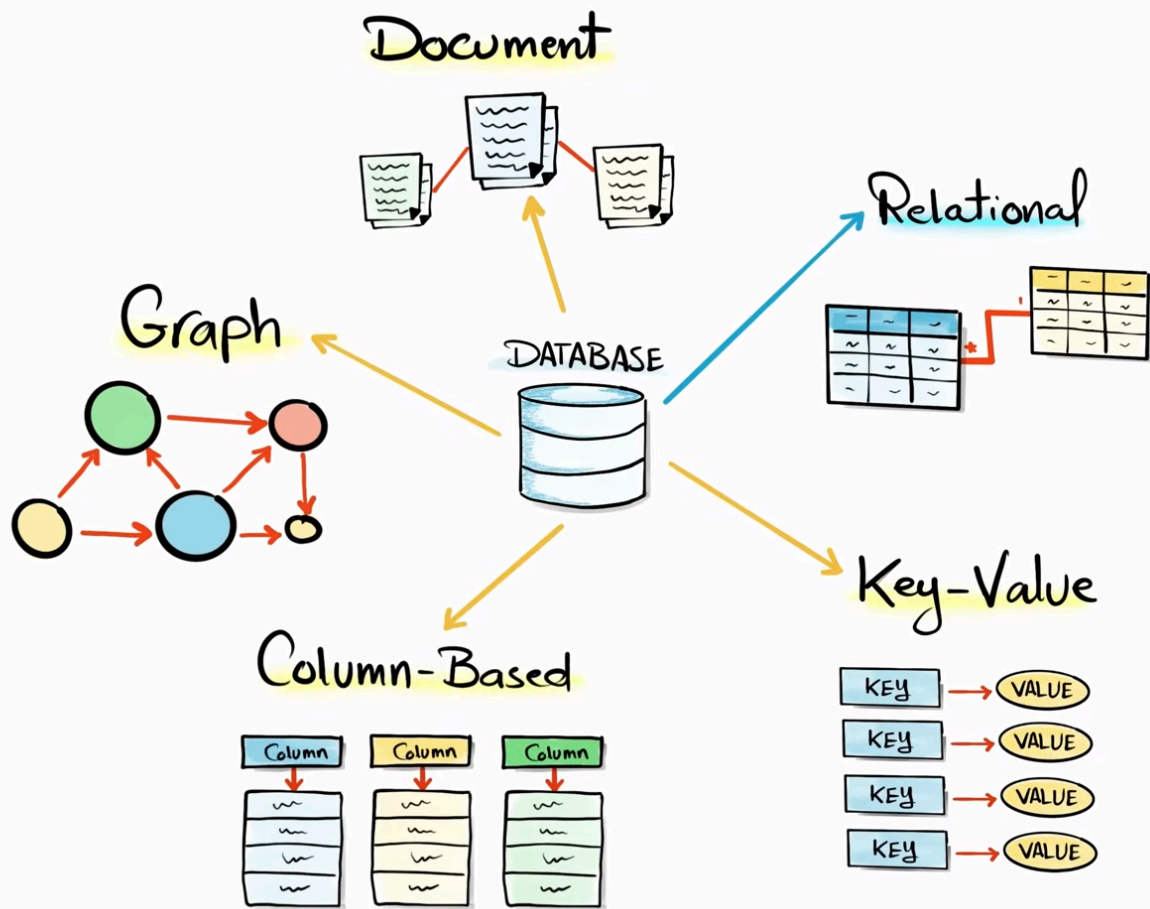# 2. Types of Databases

There are Different Types of Databases :

- Relational Databases :
  - These are like spreadsheet which has rows and tables and it can many tables that can be related to each other that's why we called it has relational database.
  - Tools like : Microsoft SQL Server , MySQL, PostgreSQL
- Key - Value Databases:
  - These type of databases will have key - Value Pairs , for eg: A Dictionary
  - Tools like : Redis , Amazon DynamoDB
- Column - Based Databases:
  - Instead of grouping the data by row , here we group the data in columns and it is very advanced database in order to Handle Huge Amount of data
  - Tools like : Apache Cassandra
- Graph Database:
  - Here the main idea is how to connect my database and create a relationship between data.
  - Tools like : Neo4j
- Document Database:
  - Entire Data are stored in documents.
  - Tools like : MongoDB

Here , Document , Graph , Column-based , Key-value Databases are called NoSQL Databases

but Relational Database is called SQL Database