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Types of data Base

1. Analytical

An analytical database system (also called OLAP, for Online Analytical Processing) is typically optimized for fast processing of large amounts of data with no or very broad filters.

2. Graph

A graph database, also called a graph-oriented database, is a type of NoSQL database that uses graph theory to store, map and query relationships. A graph database is essentially a collection of nodes and edges.

3. Document

A document database is a NoSQL data stores that is designed to store and query data as JSON-like documents. The data in document databases is stored as documents with their metadata. The document stored is in key/value pair where the key is the unique identifier of the document. Unlike relational databases, document databases are faster to load, access, and parse. Document database are also referred as document database management systems, document-oriented databases, or document store database.

4. Relational

In this model, data is organized in two-dimensional tables and the relationship is maintained by storing a common field. The basic structure of data in the relational model is tables. All the information related to a particular type is stored in rows of that table. Therefore, tables are also known as relations in relational model.

5. Key-Value

A key-value database is a type of nonrelational database that uses a simple key-value method to store data. A key-value database stores data as a collection of key-value pairs in which a key serves as a unique identifier. Both keys and values can be anything, ranging from simple objects to complex compound objects.

6. Network Databases

A network database is a type of database model wherein multiple member records or files can be linked to multiple owner files and vice versa. The model can be viewed as an upside-down tree where each member information is the branch linked to the owner, which is the bottom of the tree.