***Database***

A database is a collection of data stored in an orderly manner i.e., an organized collection of information.

DBMS: a software used to manage data.

Types of databases

1. Flat file database
2. Hierarchical database
3. Network database
4. Object-Oriented database
5. Relational database: A relational database is table-oriented where every bit of data has a link with every other bit of data.
6. Non-relational or NoSQL database: A no SQL database uses a variety of formats, such as documents, graphs, wide columns, etc, which offers great flexibility and scalability to a database design.

**NoSQL Databases**

NoSQL is a non-relational database that is used to store the data in the nontabular form.

NoSQL stands for Not only SQL.

The main types

* Document-based databases
* Key-value stores
* Column-oriented databases
* Graph-based databases