Types of databases

Storing data has been an epic problem since beginning of computing era. Every second Zettabytes of data flows through the internet and reaches users. Now the question is how is this content stored and retrieved so efficiently!

We will now briefly go through some commonly used storage techniques or types of databases used to store, retrieve and process data with utmost performance:

- **Flat File System:** It is one of the easiest to understand and oldest techniques used. It basically revolves around creating a single file that would act as a huge dump for data. All the records will be stored in the single file.
- **Relational Database:** One of the most widely used techniques. Here we split the data into various tables and link each other based on the relation they carry. It works best when the data you get is structured and organized properly.
- **NoSQL Database:** Often known as "Not Only SQL". The necessity of developing such technique was due to rapid increase in unstructured data in the industry. Such systems don't work on standard RDBMS (Relational Database) concepts and cater to the unstructured data appropriately.