**Intro to Hadoop**

**Hadoop is a framework that helps to overcome big data problems.**

Most people are confused whether Hadoop is a big data or not, but it is a framework which help to store big data using its components which is its features. **Hadoop also provides Big Data analytics through distributed computing framework.**

Why Hadoop came in big data?

🡪**Storage for Large Datasets**

The conventional RDBMS is incapable of storing huge amounts of Data. The cost of data storage in available RDBMS is very high. As it incurs the cost of hardware and software both.

🡪**Handling data in different formats**

The RDBMS is capable of storing and manipulating data in a structured format. But in the real world we have to deal with data in a structured, unstructured and semi-structured format.

🡪 **Data getting generated with high speed**:

The data in oozing out in the order of tera to petabytes daily. Hence we need a system to process data in real-time within a few seconds. The traditional RDBMS fail to provide real-time processing at great speeds.