**ASSIGNMENT1.5**

1. **Hadoop in layman's term:**

Hadoop is of two main core components namely HDFS and MapReduce

* Hadoop Distributed File System

It ***enables data to be stored*** in a form that can be easily accessed and retrieved. The data will be stored across several interconnected devices which can be reached for using MapReduce

* Map Reduce

It is used for ***processing of data*** done. It reads data from databases and puts them into a format that is suitable for Big Data Analytics. Further, it breaks down the data into meaningful information that can be used for interpretation.

Map reduce framework consists of

Pig

Hive

1. **the components of Hadoop framework:**

* Hadoop Distributed File System: The Java-based distributed file system that can store all kinds of data It ***enables data to be stored*** in a form that can be easily accessed and retrieved. The data will be stored across several interconnected devices which can be reached for using MapReduce
* Map Reduce:  It is a software programming model for processing large sets of data in parallel.It is used for ***processing of data*** done. It reads data from databases and puts them into a format that is suitable for Big Data Analytics. Further, it breaks down the data into meaningful information that can be used for interpretation

1. **The reasons to learn Big data technologies:**

* Personal Reasons: Demand for Big Data skills is extremely high, and being able to prove your expertise is critical.
* Business Reasons:IT is emerging in a new style.Every second millions and millions of data is produced which has to be stored.