3. Explain Apache Hadoop.

- Apache Hadoop peojed develops open-source slw for Ediable, Scalable 4 distributed computing.

- Apache Hadoop sln library is a framework.

- It allows distributed processing of large data sets areas clusters of computers using simple programming models.

Modules in Apache Hodoop

MapfeduceThis is a System for parallel processing of large sets.

- D Hadoop YARN-This is a framework for job scheduling & cluster resource management.
- 3 HDFS (Hadoop Distributed File system)
 HDFS is a unique design technique that provides
 storage for extremely large files with streaming
 data
- 4 Hadoop Common Thuse use common utilities that suppost the
 Other Hadoop moduly.

S Explain MapPoluce.

> MapPeduce is a PEogeamming model five peacessing large dutasets using paraulel, distributed & Clustered Compute nodes.

Apache Pig consists of a data flow language called Pig Latin. It also provides a runtime environment to execute Pig Latin programs

9	Explain Manfedure Algorithm
->	Explain Mapheduce Algosithm Mapheduce Algosithm Contains two impostant
	there
	D Man - Man trisk convert the set of data into
	nap-map task convers the set of data into key-value poits.
	rg row jares.
	2 Reduce - Reduce task Shuffles the key-value paiss 2 compine the similar data to produce the
	& combine the similar data to produce the
	desized Elsults.
	austa asurs.