Big Data Practical

1. What do you mean by Hadoop? Give its architecture.
2. What are the different methods to install Hadoop? Give the difference between the two. Explain the commands for both type of installation
3. Explain HDFS. Give and explain the commands for the following:
   1. To create a directory “Sample”
   2. To the change the permission of this directory to read write execute for all users
   3. To check the contents of this directory
   4. Store the file “File1.txt” to this directory
4. What are the four major components needed for the proper execution of hadoop setup. Explain them. Give the command to start these components
5. Name various configuration file used to setup hadoop cluster. Explain the use of all. Give the name of various properties and their values that you must change in all files.
6. What is the use SQOOP and Hive? Give the commands for the following:
   1. Installation of Sqoop and hive
   2. List the databases available
   3. Display the name of all the tables in any database
   4. To import any file in the hadoop architecture.
7. Explain the use of map reduce. Give the commands to execute any external process within hadoop architecture with example.