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| **Subject** | Big Data Analysis and Visualization Lab |
| **Experiment No.** | 1 |
| **Aim** | To setup and install Hadoop in Pseudo-Distributed Mode and monitoring Hadoop |
| **1. Install Java JDK 8:** |  |
| **2. Setting up Environment Variables** |  |
| **3. Install Hadoop** |  |
| **4. Set Environment variable for Hadoop** |  |
| **5. Check Hadoop is Installed or not** |  |
| **6. Starting Hadoop** | Configuration of Hadoop cluster is done in below 4 files:  1. %HADOOP\_HOME%\etc\hadoop\hdfs-site.xml  2. %HADOOP\_HOME%\etc\hadoop\core-site.xml  3. %HADOOP\_HOME%\etc\hadoop\mapred-site.xml  4. %HADOOP\_HOME%\etc\hadoop\yarn-site.xml  After the configuration is performed, separate directory is made for datanode and namenode.    Core site, mapreduce and yarn configuration is done.After that we can run datanode, namenode and yarn to start hadoop. |
| **7. Hadoop Web UI** |  |
| **Conclusion** | Hence by completing this experiment we came to know to setup and install Hadoop in Pseudo-Distributed Mode and monitoring Hadoop. |