Class Assignment 1. Due next week. Please handwrite the answers and submit in a folder.

1. Explain different types of virtualization. What are some advantages and disadvantages of virtualization? (I had given you some links. I am looking for answers from those links). [www.cse.wustl.edu/~jain/cse570-13/ftp/m\_05srv.pdf](http://www.cse.wustl.edu/~jain/cse570-13/ftp/m_05srv.pdf)

[http://hadoop.apache.org/docs/current/hadoop-project-dist/hadoop-hdfs/HdfsUserGuide.html](http://hadoop.apache.org/docs/current/hadoop-project-dist/hadoop-hdfs/HdfsUserGuide.html" \t "_blank)

1. What is Hadoop?
2. What is socket Programming? Compare and contrast between any three languages dealing with socket programming.
3. What does each of these servers do? Fileserver, print server, database server, domain name server, communication server, DHCP server