In-class Lab 1 – HDFS and Linux Commands

Instructions:

Answer the following questions. For any questions that require you to execute a Linux or HDFS command, take a screenshot(s) of the command.

1. Create a folder in a directory in your Linux operating system and name it with your first name.
2. Create a text file called yourname.txt in the folder you created in Step 1 and place some text in it using any text editor tool.
3. Create a folder in HDFS under the root directory called BigDataFirstName where "FirstName" is your name.
4. Copy the text file you created in step 2 from the Linux local file system into the HDFS folder BigData that you created in step 3.
5. In the class exercises, we have most of the HDFS commands but not all of them. Research a new HDFS command and use it in an example. Provide a link for any external sources you use to answer this question (in other words, cite any sources you use).
6. The class exercises use "hadoop fs" as the start to HDFS commands but we can also use "hdfs dfs". Research on the web what is the difference between these two commands. Provide a link for any external sources you use to answer this question (in other words, cite any sources you use).
7. We went over the most important Linux commands in class but there are many more. Try to find a Linux command that we did not cover in class but you find it useful. Describe the command and use it in an example and take a screenshot showing the usage.

Deliverables:

Answer all questions in a well laid out *single* PDF or Word document (don't just submit a bunch of screenshots). For any commands, make sure to include the screenshot of the command being executed. Do not submit multiple files. Do not submit any compressed files (example zip or rar).