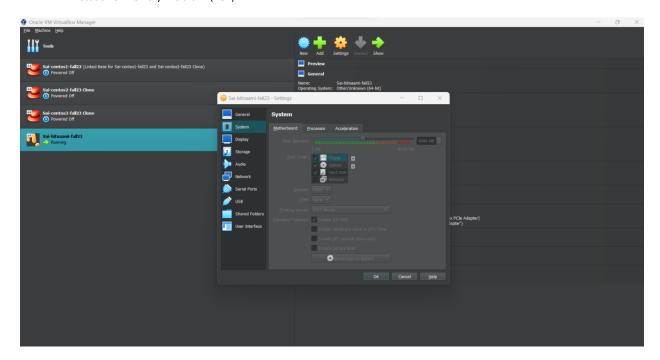
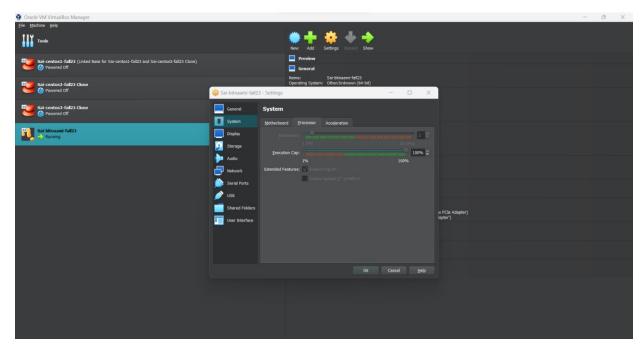
1. downlaoding the bitnami renames with my name Sai-bitnami-fall23



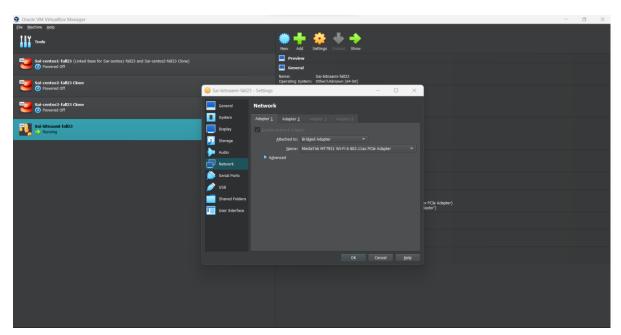
2. Allocation of memory in bitnami (4GB)



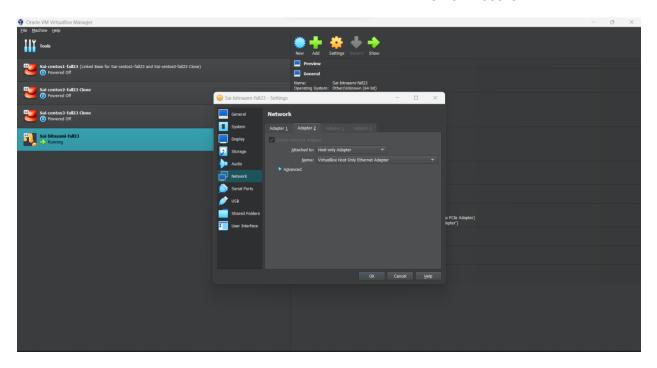
3. Allocated CPU in bitnami(2CPU)



4. Two adapter added in bitnami



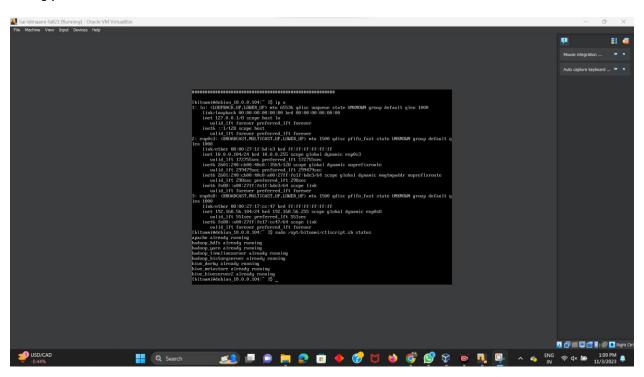
Sai Kumar Murarishetti Lewis ID: 30079224



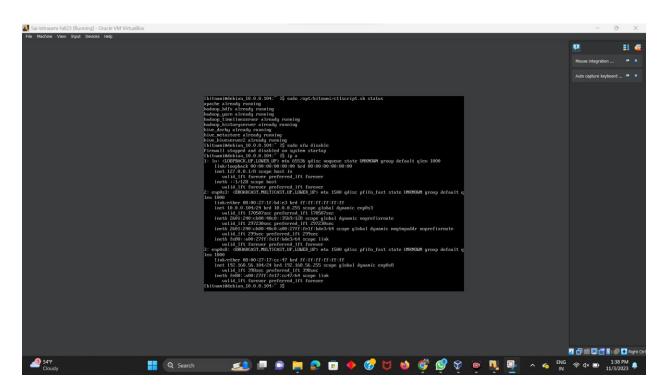
5. Starting of the VM



6. Running ip a in VM

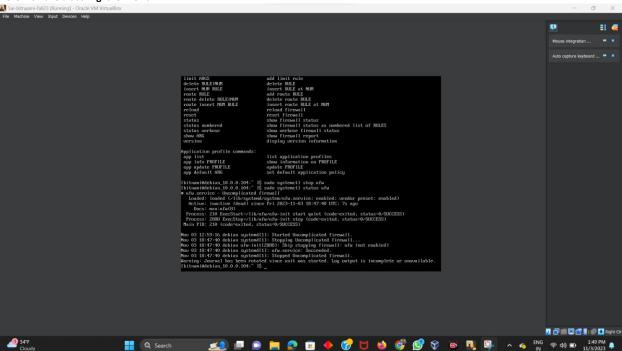


7. Checking hadoop services are running or not

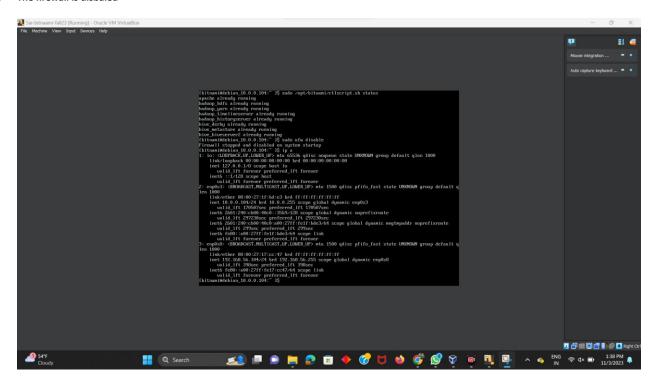


Sai Kumar Murarishetti Lewis ID: 30079224

8. Here we have disbaling the firewall

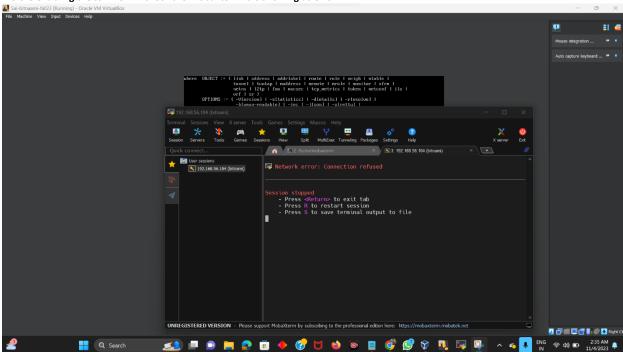


9. The firewall is disbaled

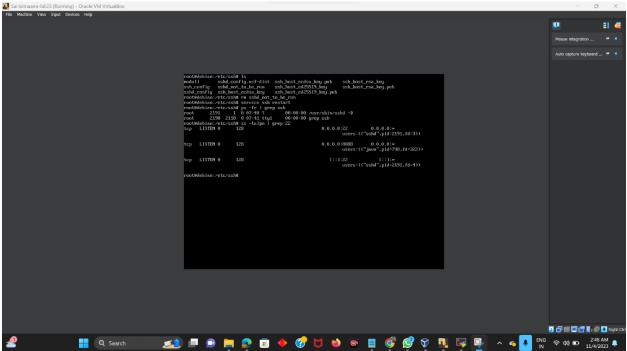


Sai Kumar Murarishetti Lewis ID: 30079224

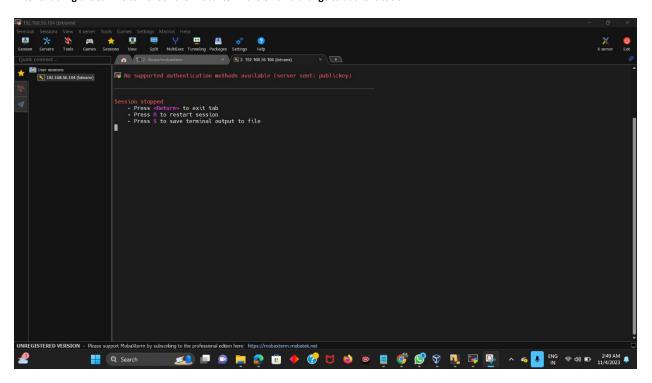
10. Before enabling the ssh we will check the Mobaxterm it is showing us error



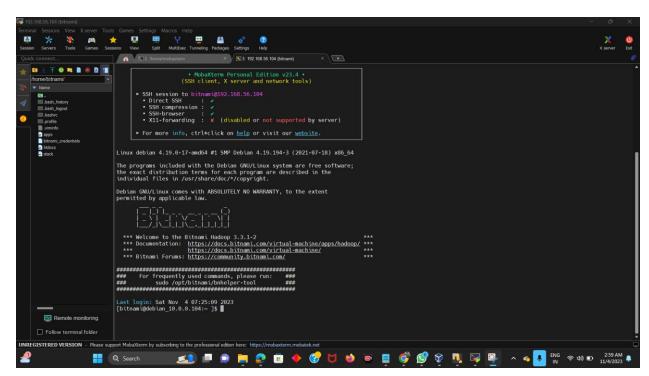
11. Now enabling the ssh



12. After enabling the ssh we can check the Mobaxterm the error is change to authentication

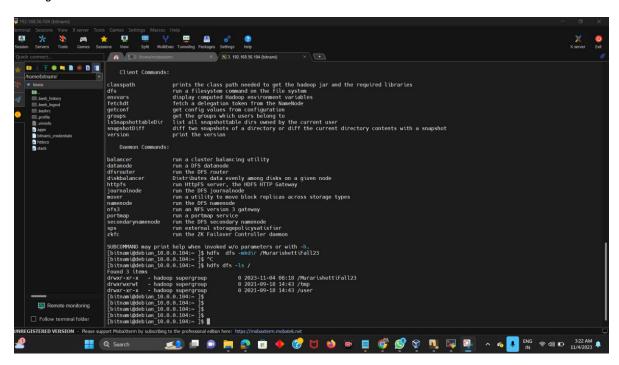


13. Now the ssh is enabled and Mobaxterm is connected to the server

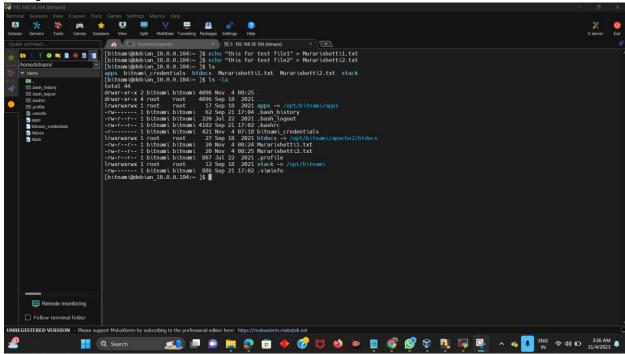


PART 2

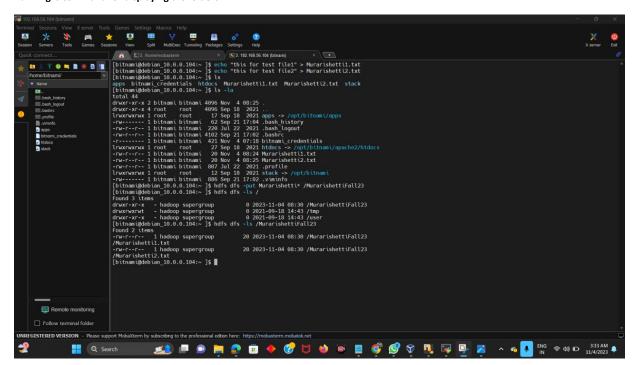
1. Creating a HDFS folder



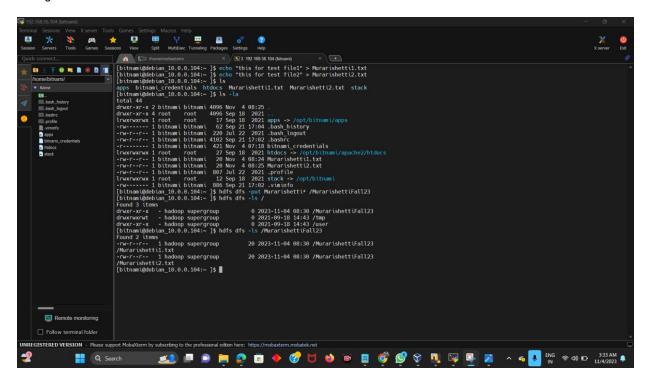
2. Creating test files



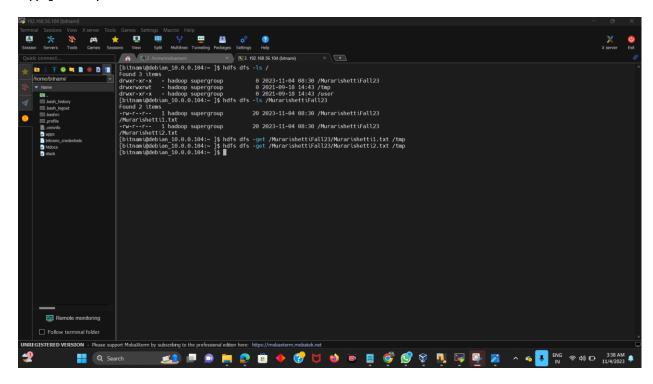
3. Running Is command for displaying the folders



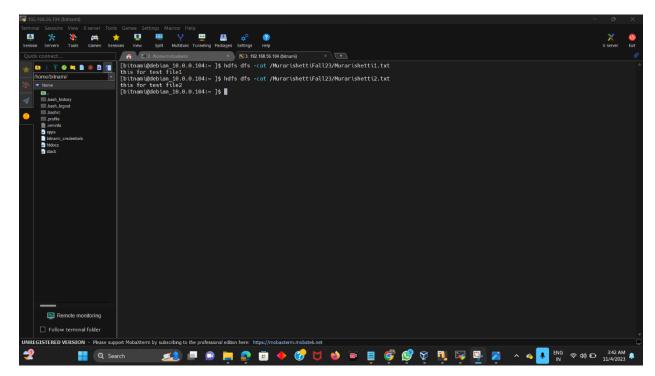
4. Moving the all file to MurarishettiFall23 folder



5. Copying file to tmp folder

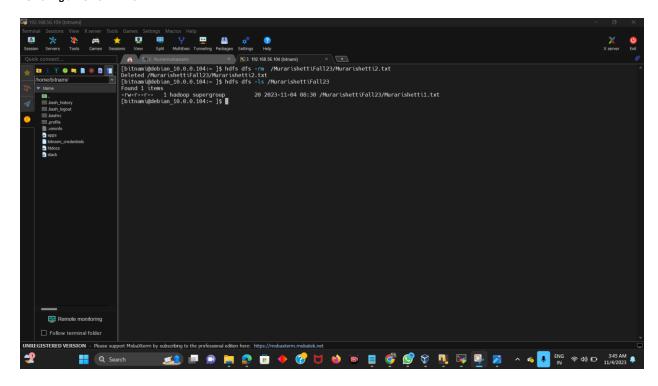


6. Viewing content using cat command



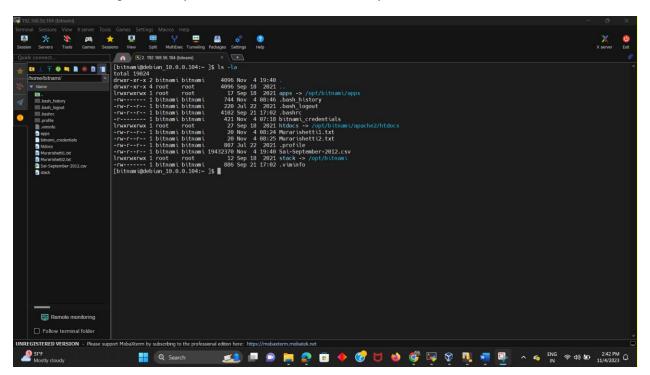
Sai Kumar Murarishetti Lewis ID: 30079224

7. Removing a file from HDFS

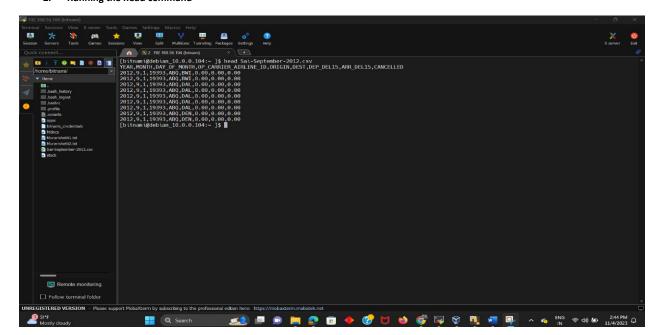


Part 3

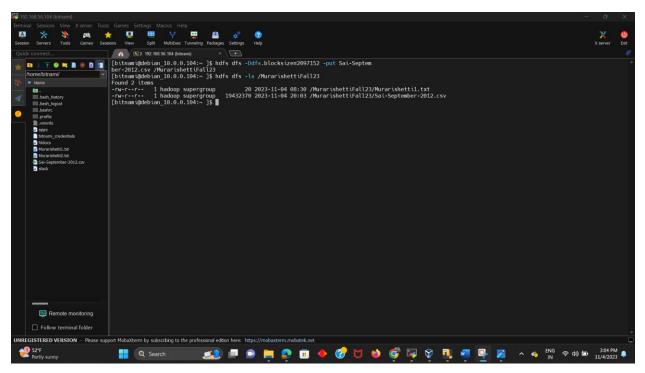
1. Downlaoding the file for September 2012 Airline, rename the file and uploaded to the server



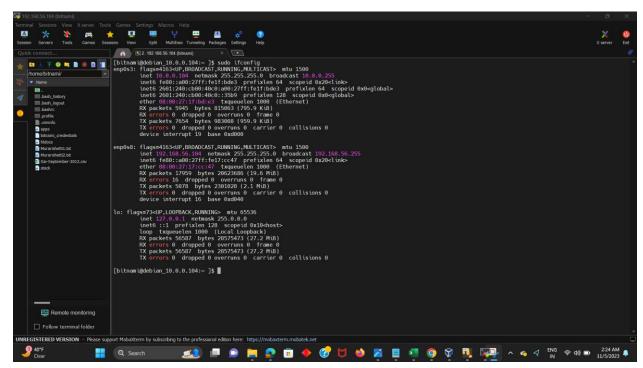
2. Running the head command



3. Providing the block size

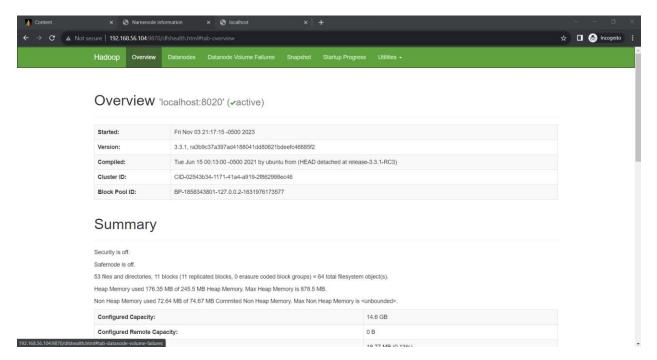


3. Running command to find the Ip address

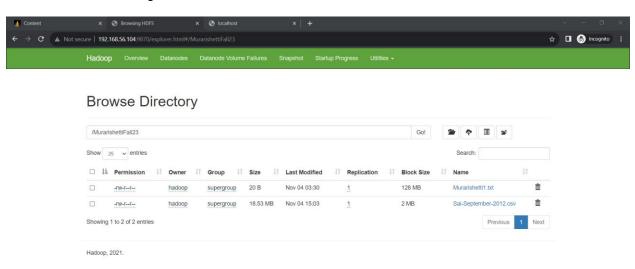


Sai Kumar Murarishetti Lewis ID: 30079224

4. Browsing to the website



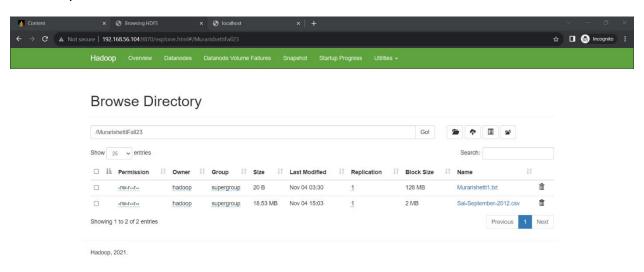
5. Screen shot of the large Airline datafile





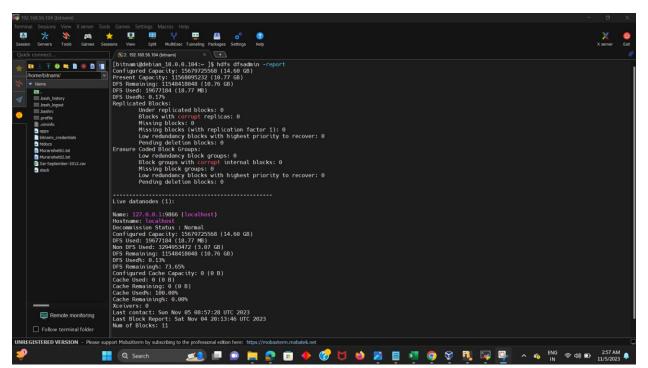
Sai Kumar Murarishetti Lewis ID: 30079224

6. Replication factor and the blocksize

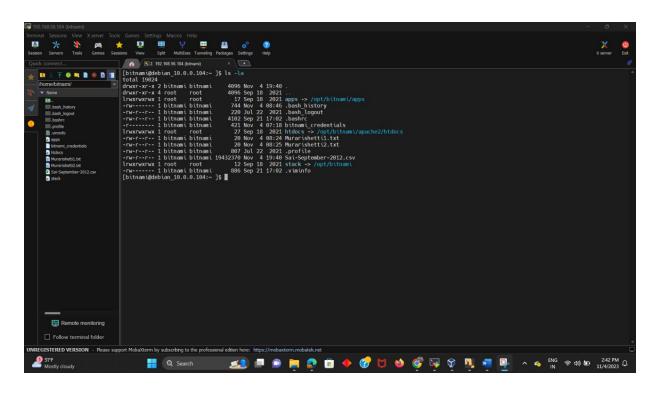




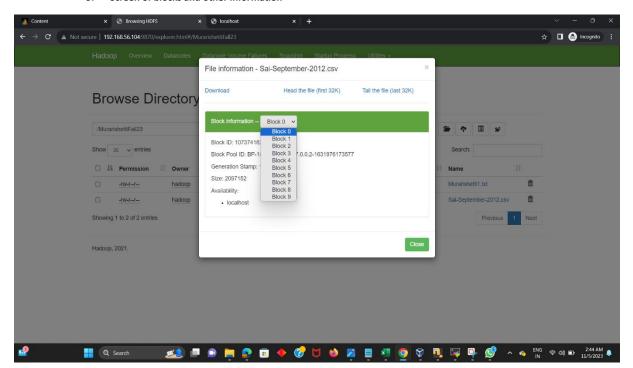
7. Apache command to change the replication factor of files in HDFS



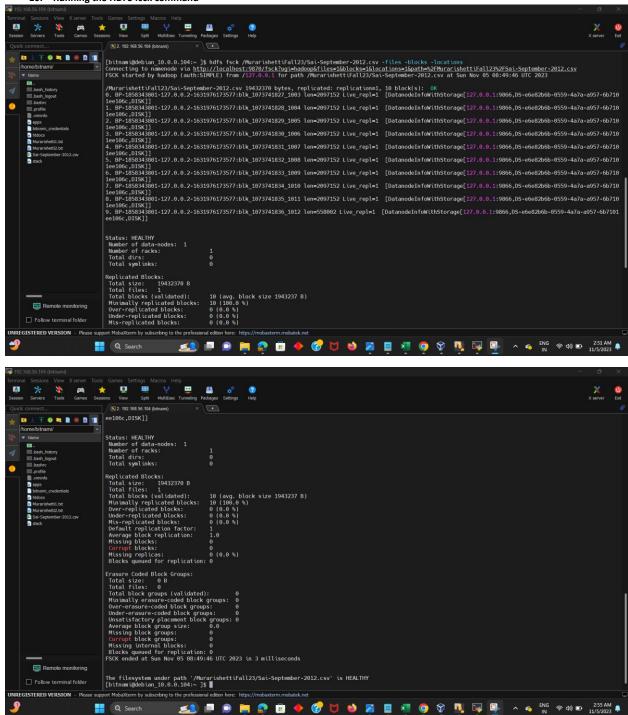
8. Large size uploaded



9. Screen of blocks and other information



10. Running the HDFS fsck command



Sai Kumar Murarishetti Lewis ID: 30079224

- a. What is the replication factor of the large data file stored in HDFS?
 Ans: 1 is replication factor for the large data file stored in HDFS which is Sai-September-2012.csv
- b. What is the # of blocks needed to store the file?Ans: 10 blocks needed to store the file since we have set the block to 2MB. Our original file size is around 18 MB.