**CSP 554 – Big Data Technologies**

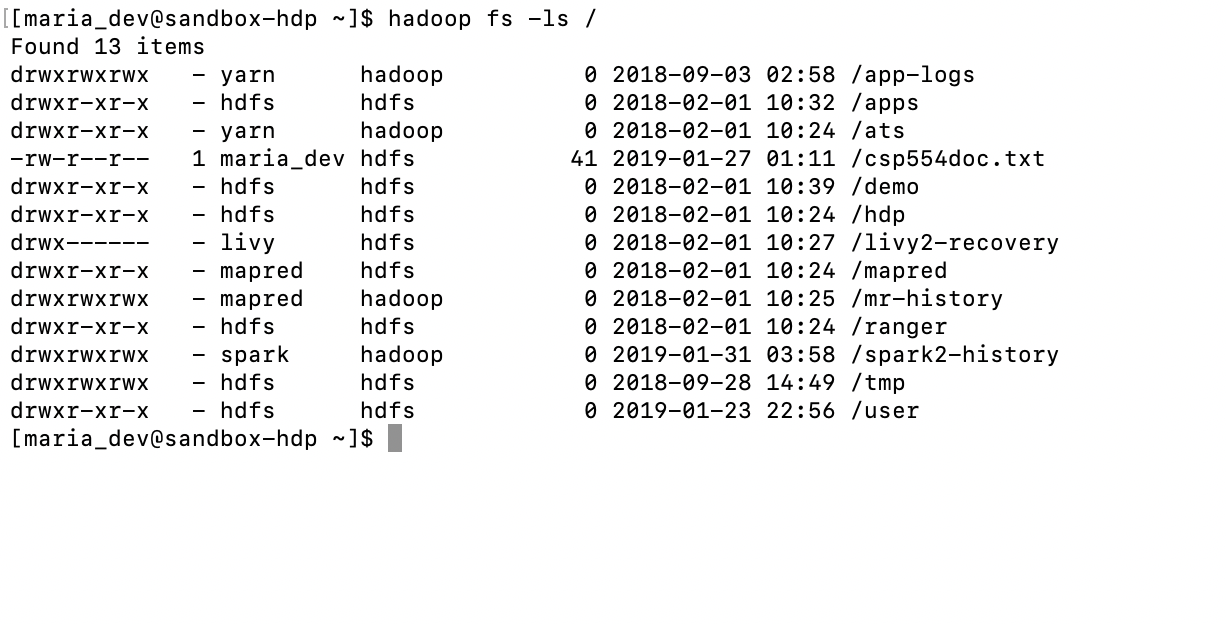
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10) Execute the following hdfs command and take a screen snapshot of the names of the files or directories that are listed (also indicating which is a file and which a directory):

hadoop fs –ls /

Command: hadoop fs –ls /



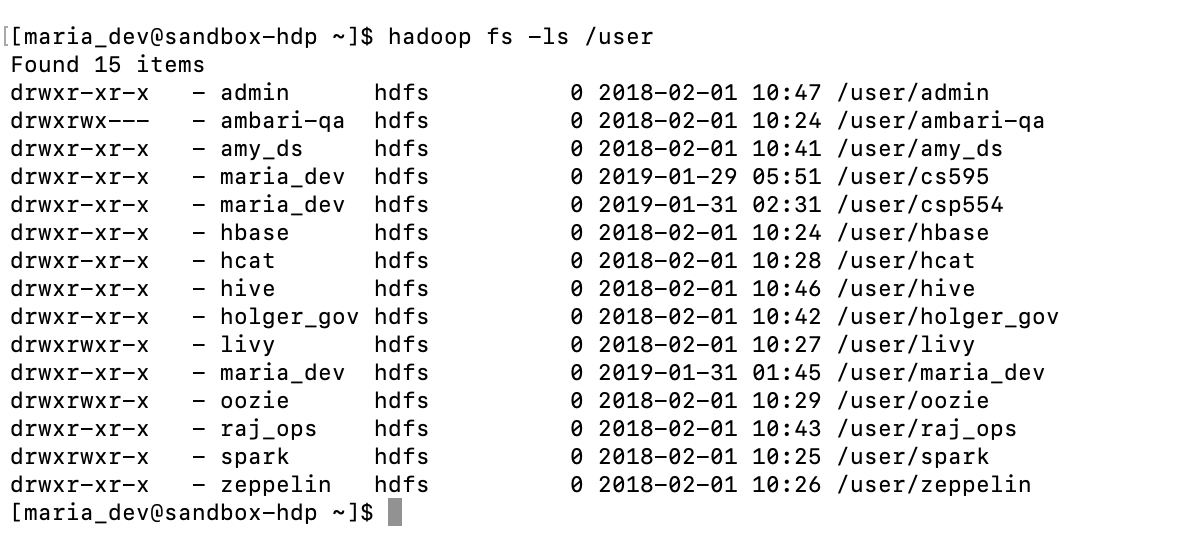
All the items listed are directories, except csp554doc.txt (4th entry in the list) which is a file.

11) Execute a command (you needed to figure out which one) to list the files and directories under the hdfs directory listed below:

/user

Write down the command you executed and also take a screen snapshot of names of the files or directories that are listed.

Command executed: hadoop fs -ls /user

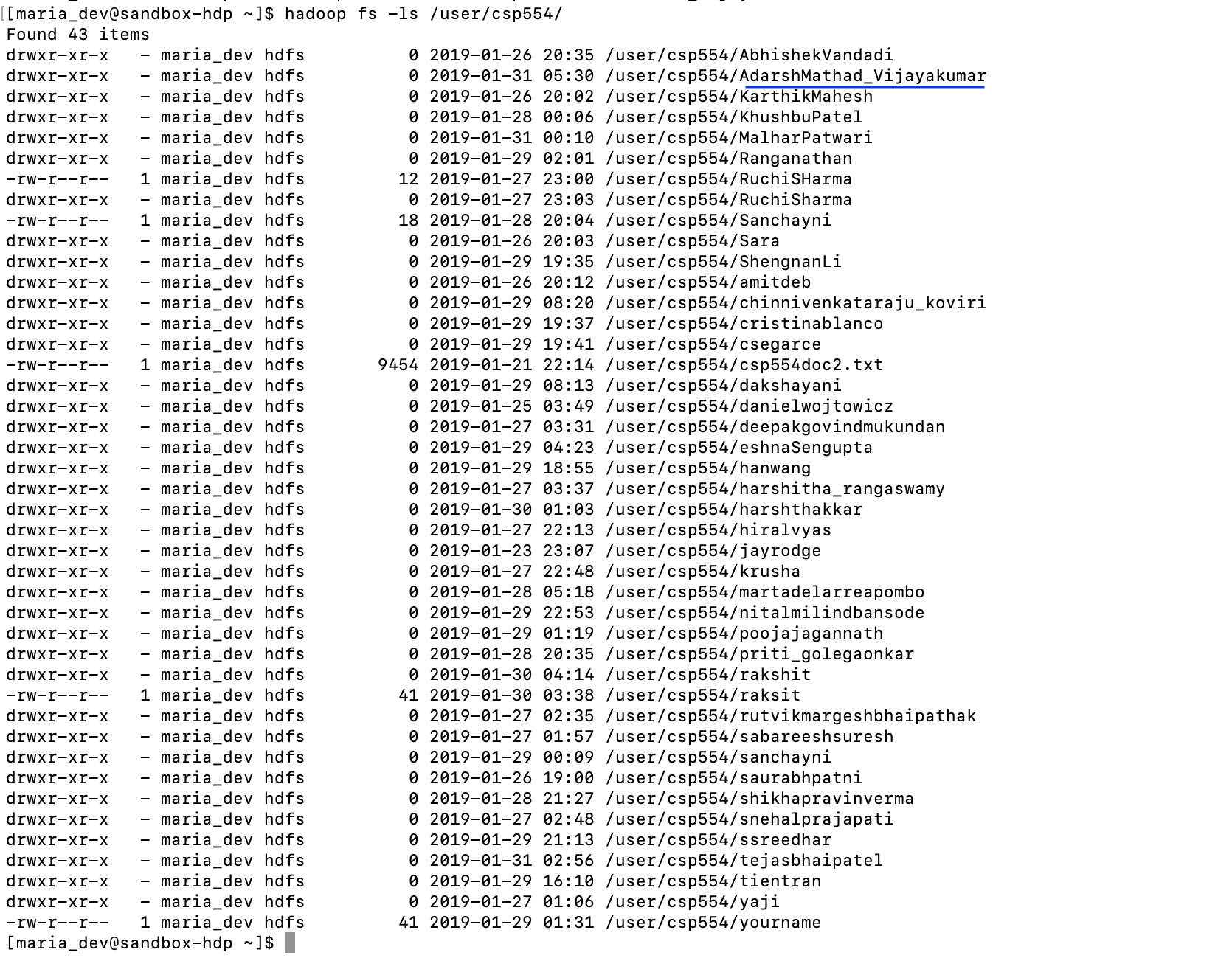


12) Execute a command to create the following directory:

/user/csp554/<yournamenospaces>

Record the command you executed and include it in your assignment submission.

Command executed: hadoop fs -mkdir /user/csp554/AdarshMathad\_Vijayakumar



13) Execute a command that copies a given local file(that I already created for you) to the given hdfs directory :

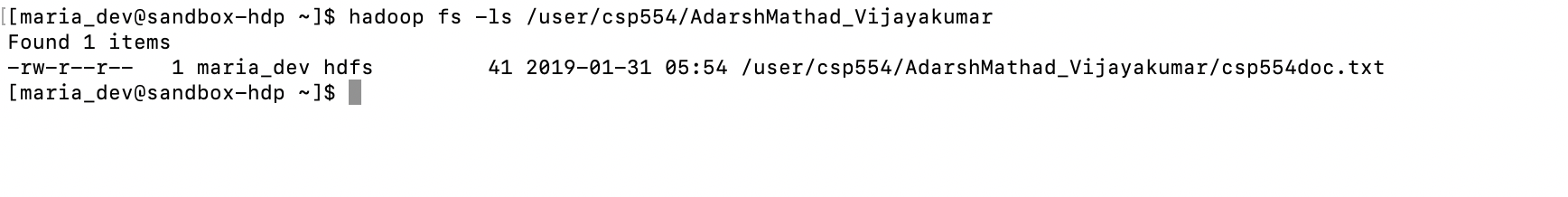
Local file: /home/maria\_dev/csp554doc.txt

HDFS directory: /user/csp554/<yournamenospaces>

Record the command you executed and include it in your assignment submission.

Command executed:

hadoop fs -copyFromLocal /home/maria\_dev/csp554doc.txt /user/csp554/AdarshMathad\_Vijayakumar



14) Copy the given file from one hdfs directory to another hdfs directory and write down the command

Source hdfs file: /user/csp554/csp554doc2.txt

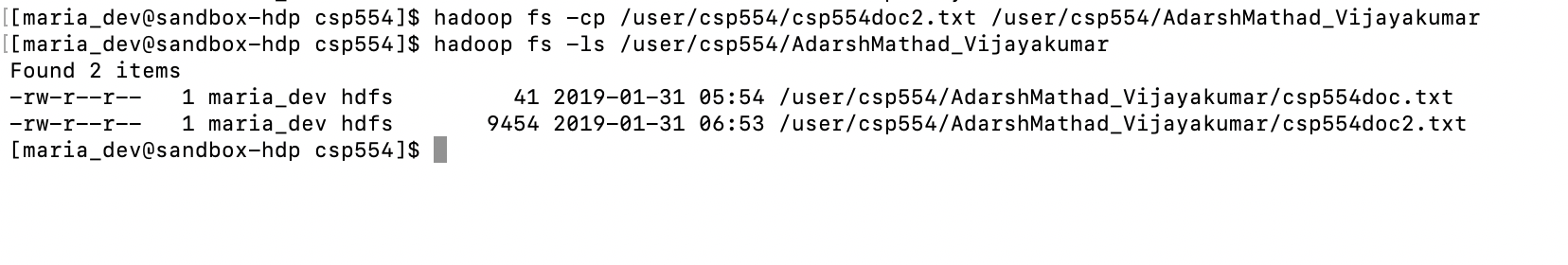
Note, I created this file for you already

Destination HDFS directory: /user/csp554/<yournamenospaces>

Record the command you executed and include it in your assignment submission.

Command executed:

hadoop fs -cp /user/csp554/csp554doc2.txt /user/csp554/AdarshMathad\_Vijayakumar

15) This is to get you familiar with the approach to copy files from your MAC or PC to a local account on the Linux machine running the Hadoop Sandbox.

* Create a plain text file on your local machine (PC or MAC). Name it firstname\_lastname.txt. The file should hold just one line and that line should hold your first and last name.
* Open a new terminal or bash window
* Copy the local file firstname\_lastname.txt to the maria\_dev account as follows:
  + scp –P 2222 ./firstname\_lastname.txt maria\_dev@localhost:/home/maria\_dev
  + When prompted for a password, enter
    - maria\_dev
  + Note that the “ssh” command used a small p (-p) to specify the port, the scp command uses a capital P (-P) to do so.
* Now, from your hadoop maria\_dev account, execute a command that copies the firstname\_lastname.txt file to the given hdfs directory :

Local file: /home/maria\_dev/firstname\_lastname.txt

HDFS directory: /user/csp554/<yournamenospaces>

Record the command you executed and take a screenshot of all files in the directory “/user/csp554/<yournamenospaces>”

Commands executed:

1. scp -P 2222 ./AdarshMathad\_Vijayakumar.txt maria\_dev@localhost:/home/maria\_dev
2. hadoop fs -copyFromLocal /home/maria\_dev/AdarshMathad\_Vijayakumar.txt /user/csp554/AdarshMathad\_Vijayakumar

