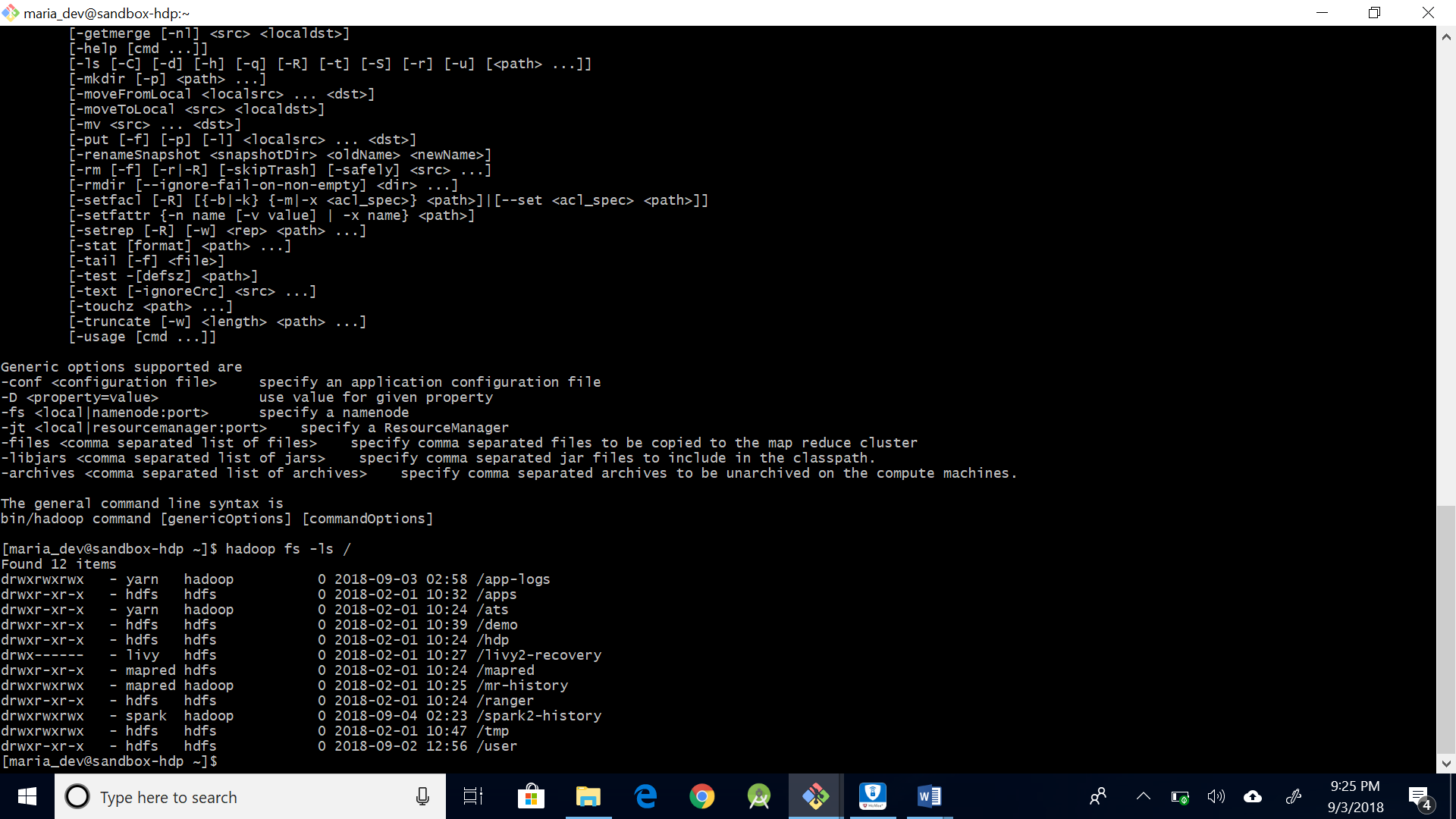
# CSP554—Big Data Technologies

## Assignment #2 (Modules 02a & 02b, 10 points)

1. 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 /

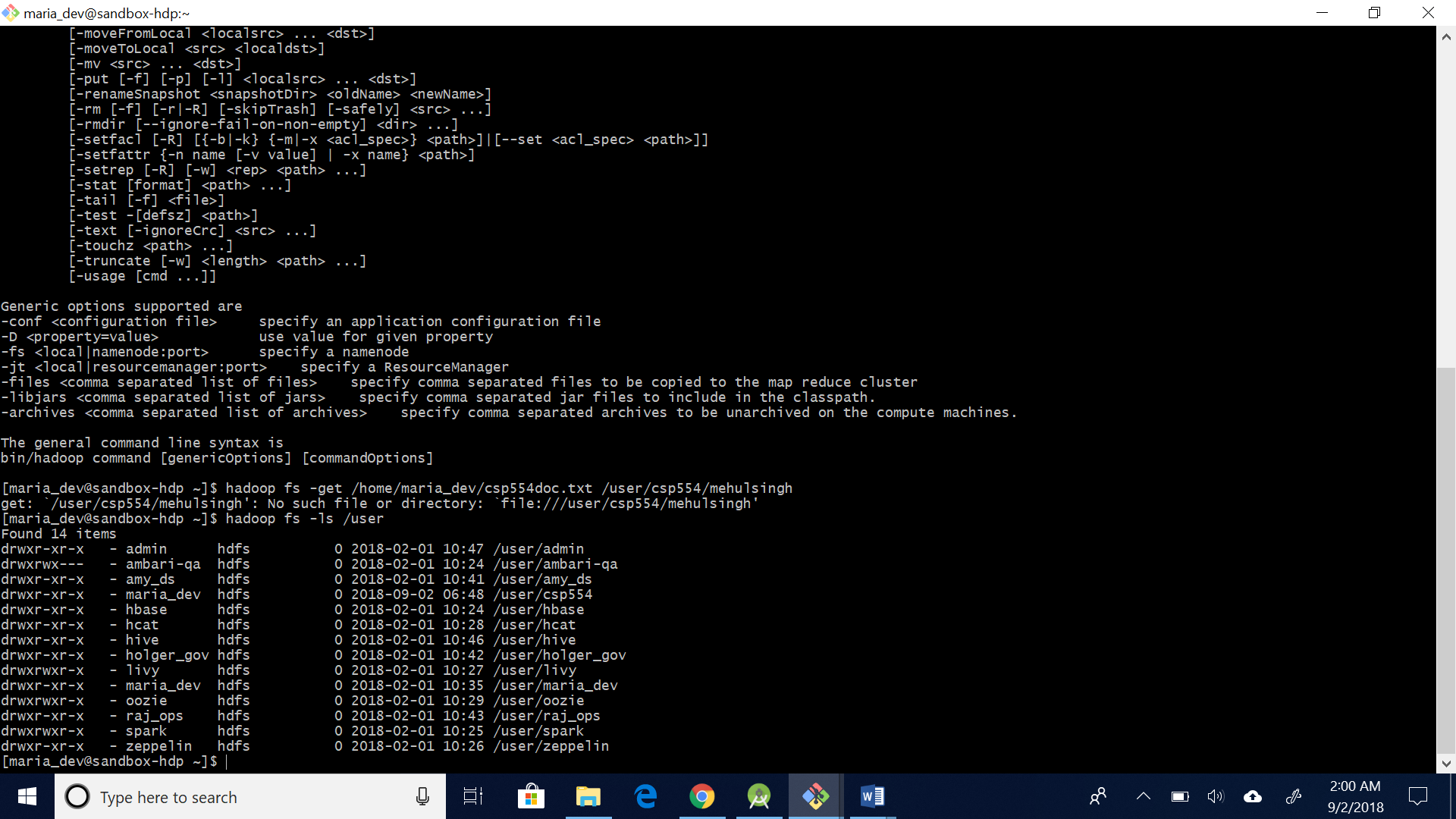
**Ans:** hadoop fs –ls /



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.

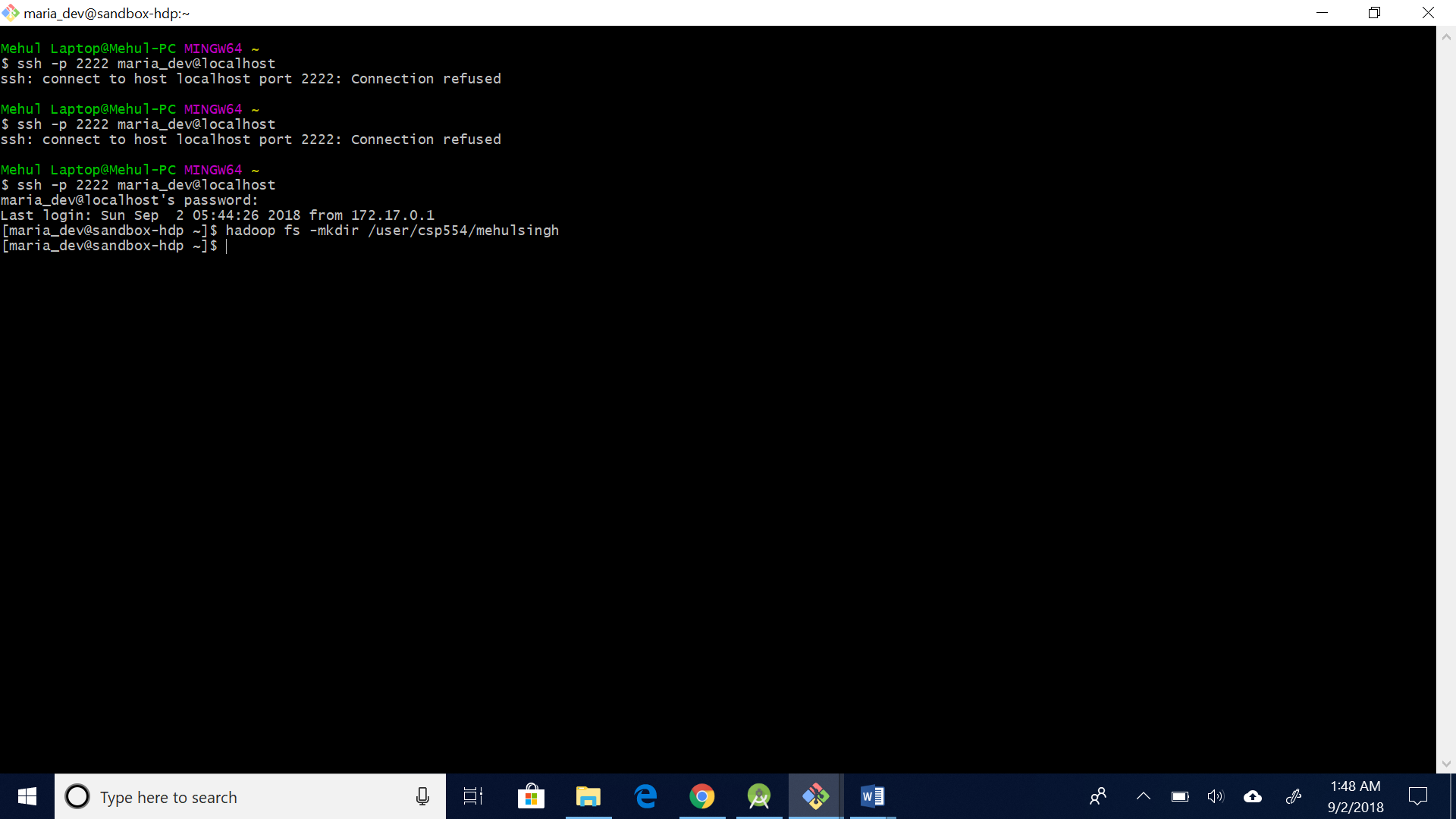
**Command under /user :** hadoop fs –ls /user

12.Execute a command to create the following directory:

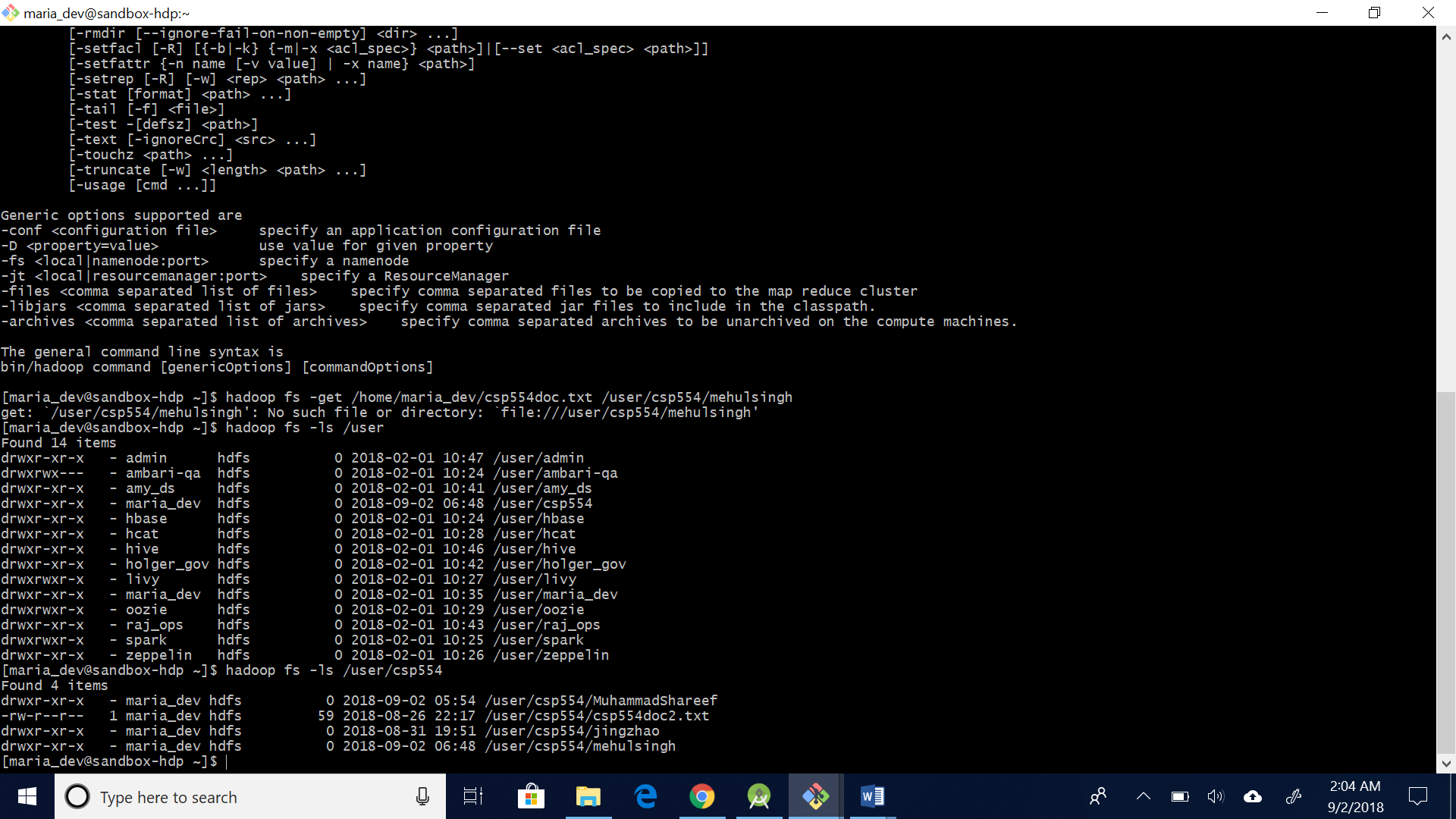
/user/csp554/<yournamenospaces>

Note: I created the hdfs directory “/user/csp554” for you already.

**Command :** hadoop fs -mkdir /user/csp554/mehulsingh



**Command :** hadoop fs –ls /user/csp554

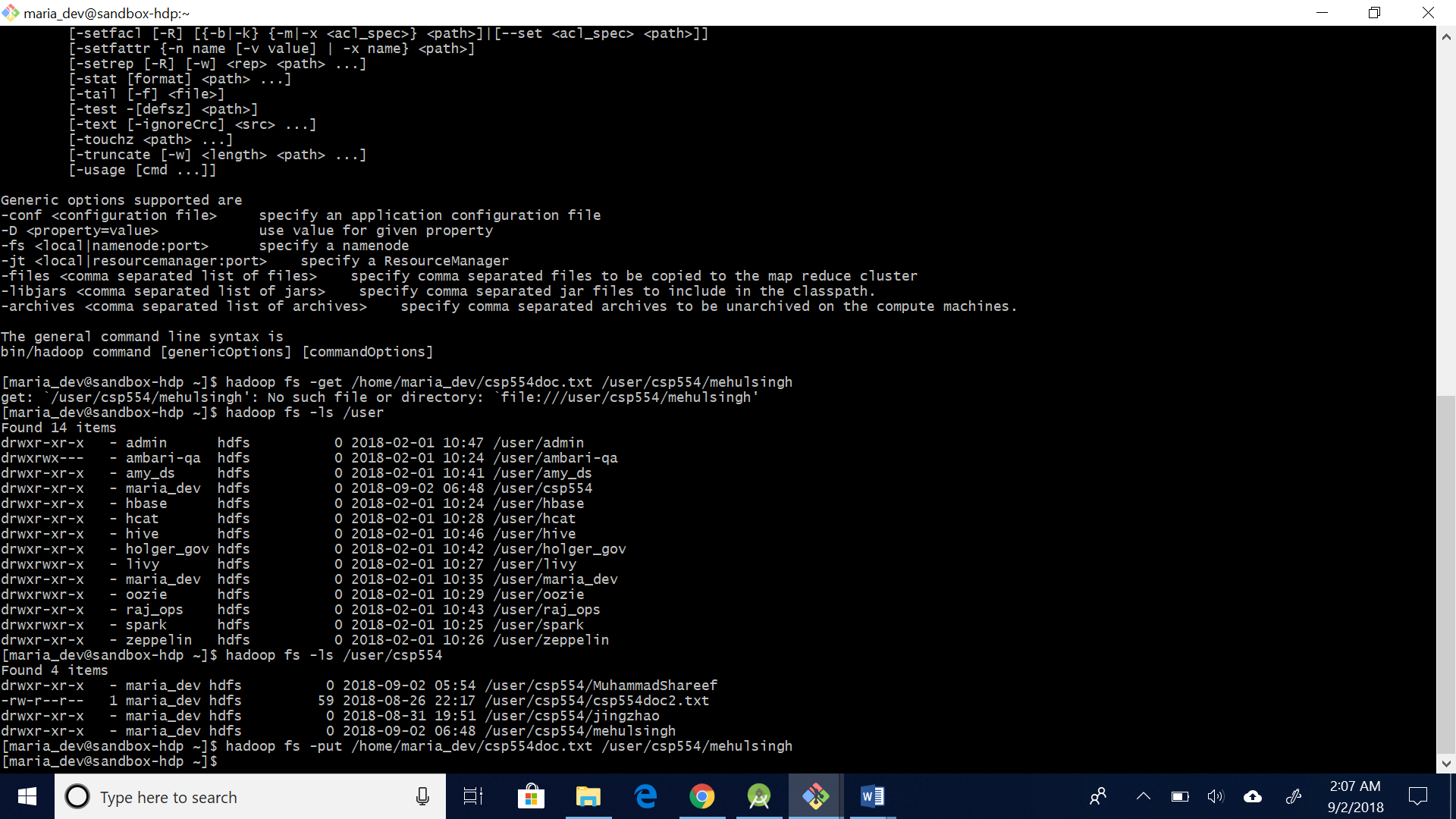


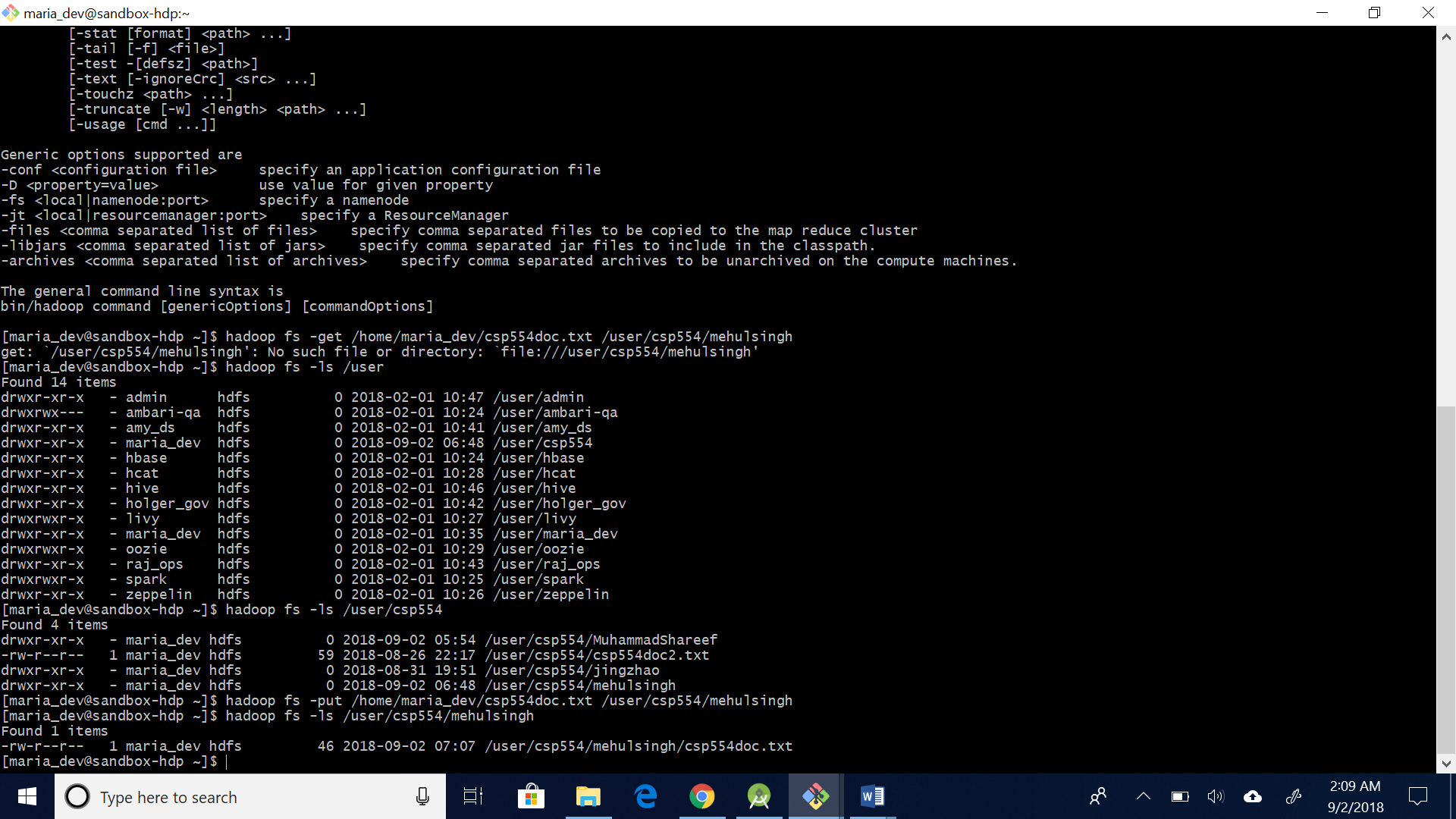
1. Execute a command that copies a given local file (that I already created for you) to the given hdfs directory :

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

HDFS directory: /user/csp554/<yournamenospaces>

**Command :** hadoop fs -put /home/maria\_dev/csp554doc.txt /user/csp554/mehulsingh

 **command :** hadoop fs –ls /user/csp554/mehulsingh



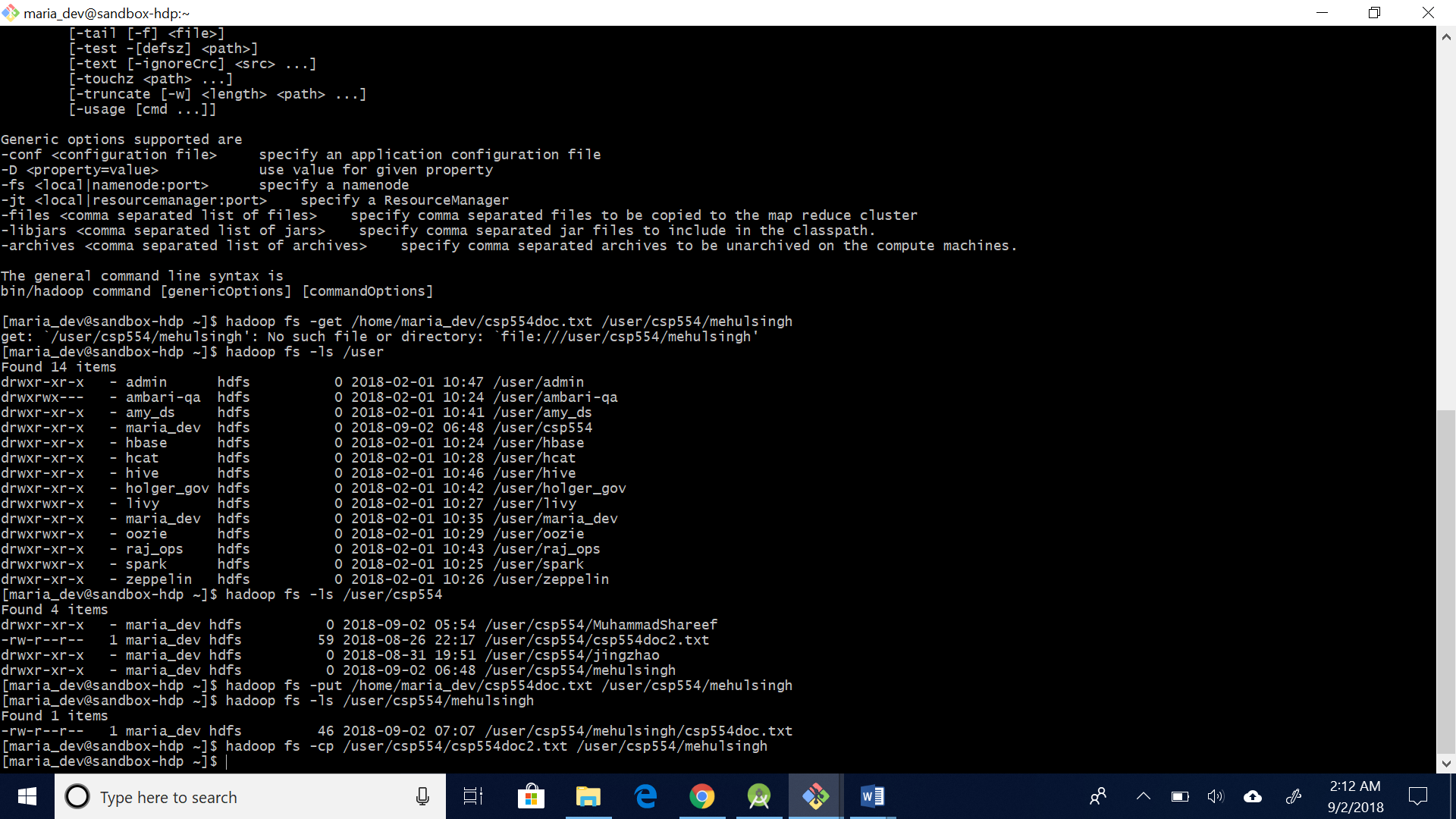
14. (2 points) Copy the given file from one hdfs directory to another hdfs directory and write down the command

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

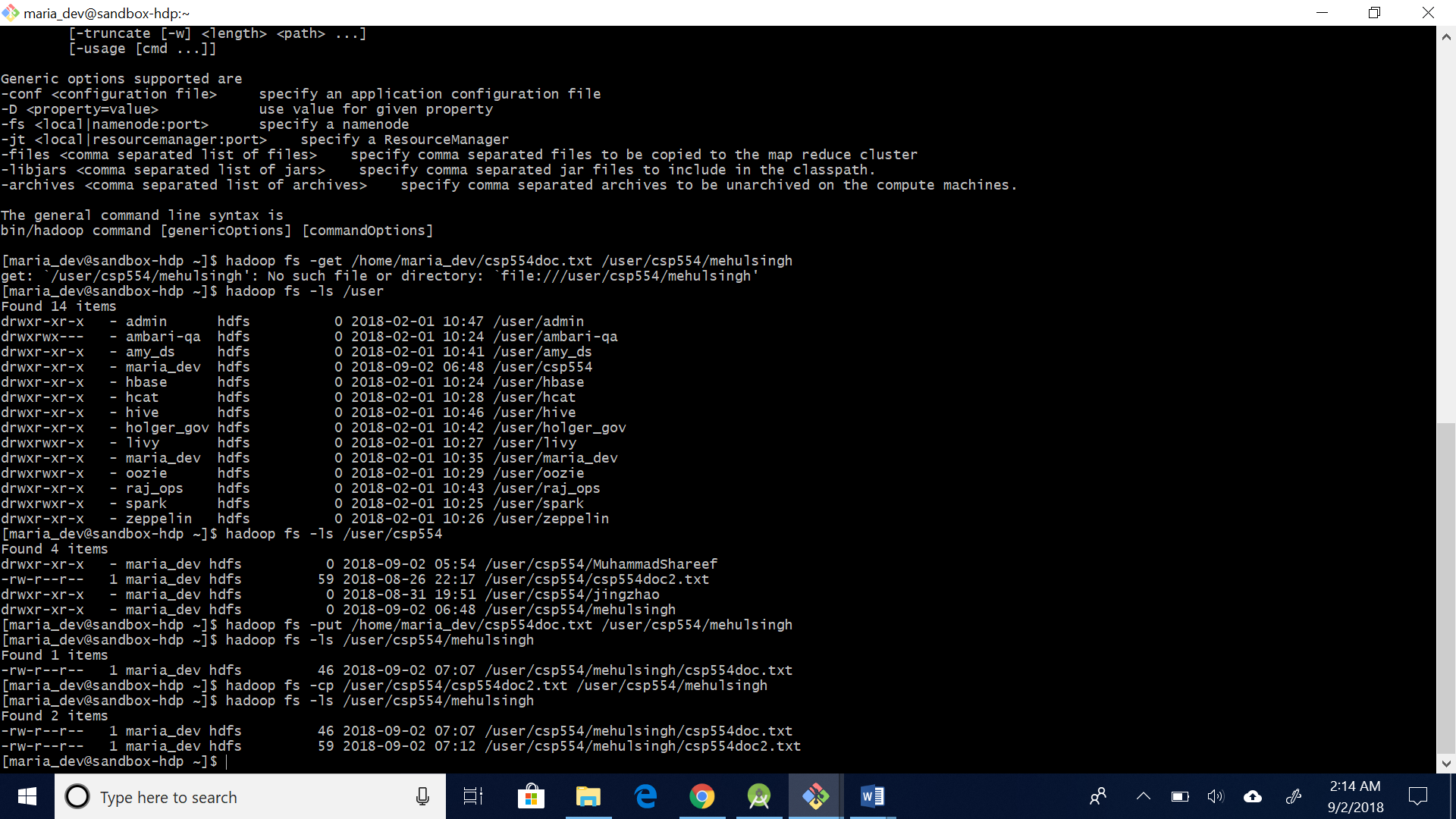
Note, I created this file for you already

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

**Command :** hadoop fs -cp /user/csp554/csp554doc2.txt /user/csp554/mehulsingh



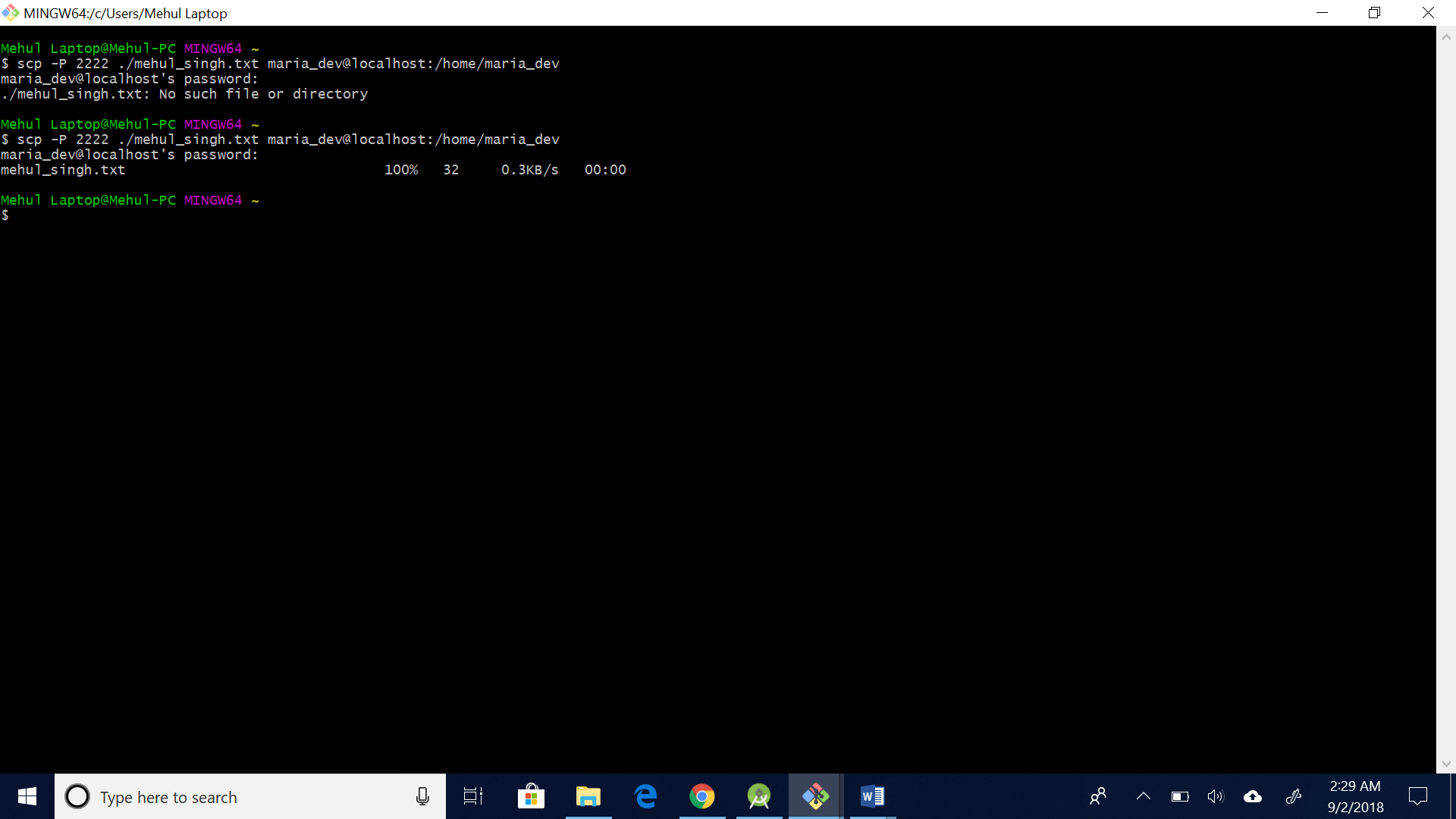
**Command:** hadoop fs –ls /user/csp554/mehulsingh



15. (2 points) 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.

**Command :** $ scp -P 2222 ./mehul\_singh.txt maria\_dev@localhost:/home/maria\_dev

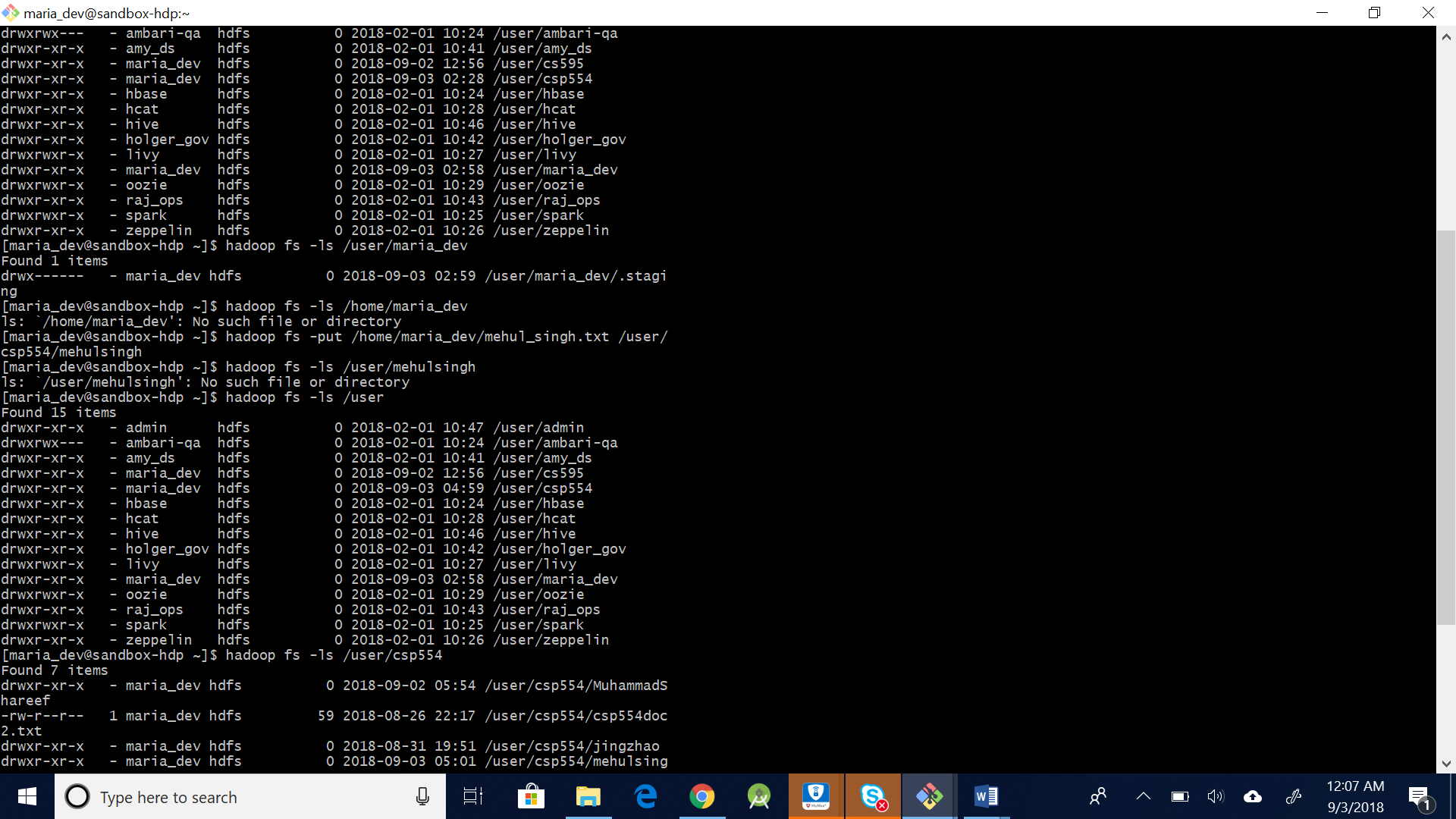


* Now, from your hadoop maria\_dev account, execute a command that copies the firstname\_lastname.txt file to the given hdfs directory :

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

HDFS directory: /user/csp554/<yournamenospaces>

**Command:**hadoop fs -put /home/maria\_dev/mehul\_singh.txt /user/csp554/mehulsingh



**Command:** hadoop fs –ls /user/csp554/mehulsingh

