Question 1.

# For Making an directory

hdfs dfs -mkdir data

hdfs dfs -mkdir data/dev

hdfs dfs -mkdir data/dev/analysis

# Moving covid-19 folder into analysis directory

hdfs dfs -put covid-19 data/dev/analysis

# To check the directory

hdfs dfs -ls -r data/dev/analysis

Question 2

# Change Permossion of Covid\_patient\_Apr26

Hdfs dfs -chmod 771 data/dev/analysis/covid-19/Covid\_patient\_Apr26

# To Check Command is successfully run or not

hdfs dfs -ls /data/dev/analysis/covid-19/Covid\_patient\_Apr26.csv

Result: rwzrwxrwx

Question 3

Copy covid-19 folder in to another hdfs directory data/prod/analysis

# Change the directory

hdfs dfs -ls cd/data

hdfs dfs -mkdir data/prod

hdfs dfs -mkdir data/prod/analysis

hdfs dfs -put covid-19 data/prod/analysis

Question 4

# Read the contents of the file Covid\_patient\_Apr19.csv and print the contents on the

screen.

hdfs dfs -ls data/

hdfs dfs -cat data/prod/analysis/covid-19/Covid\_patient\_Apr19

Question 5

# Print the no of lines present in the HDFS file Covid\_patient\_Apr19.csv

hdfs dfs -cat data/prod/analysis/covid-19/Covid\_patient\_Apr19 | wc -l

Result: 17365

Question 6

Count the no of records present in the HDFS file Covid\_patient\_Apr19.csv for the

state “UP”

hdfs dfs -cat data/prod/analysis/covid-19/Covid\_patient\_Apr19 |grep "UP" | wc -l

Result: 1113

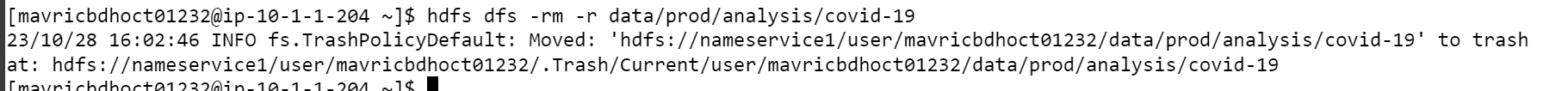
Question 7

A blue and white screen

Description automatically generated

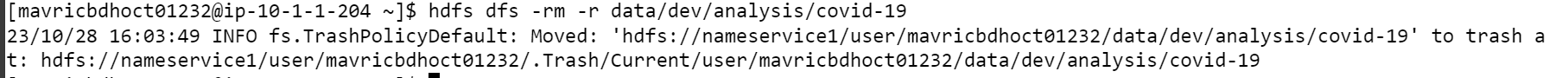
Hdfs dfs -rm data/prod/analysis/covid-19/Covid\_patient\_Apr19.csv

Question 8: deleting Covid-19 folder from both directory (Dev, Prod)

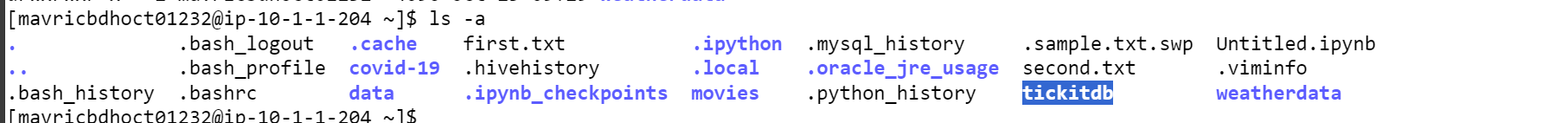


Hdfs dfs -rm -r data/prod/analysis/covid-19

Hdfs dfs -rm -r data/dev/analysis/covid-19



Question 9:



Ls -a

Uploaded this folder via FTP

A screen shot of a computer

Description automatically generated

Hdfs dfs -copyFromLocal /home/mavricbdhoct01232/tickitdb

Du -h /home/mavricbdhoct01232/tickitdb

Hdfs getconf -confkey dfs.blocksize

Block Check: Number of Blocks = 1

A computer screen with black text

Description automatically generated

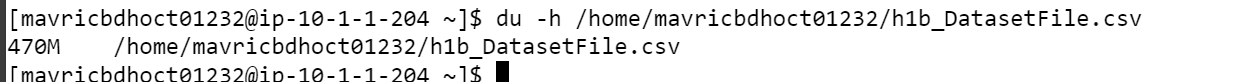
Question 10:

find /home/mavricbdhoct01232/tickitdb -type f -name "\*pipe\*"

A black text on a white background

Description automatically generated

Question 11:



A screenshot of a computer

Description automatically generated

Ls -a

Hdfs dfs -copyFromLocal /home/mavricbdhoct01232/ h1b\_DatasetFile.csv

TO check:  
hdfs dfs -ls -r

For Blocks: du -h /home/mavricbdhoct01232/h1b\_DatasetFile.csv

470MB

Number of Blocks = 470 MB / 128 MB ≈ 3.67 blocks

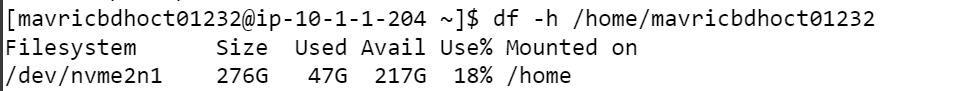
Question 12:

Hdfs dfs -mv /home/mavricbdhoct01232/ h1b\_DatasetFile.csv tickitdb/

A black text on a white background

Description automatically generated

Question 13:



Df -h /home/mavricbdhoct01232/

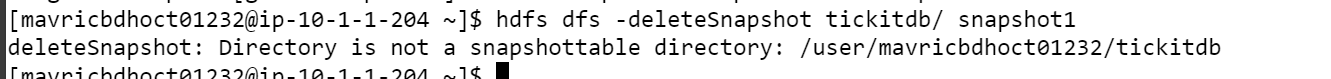
Question 14:  
hdfs dfs -df /home/mavricbdhoct01232/

A white background with black text

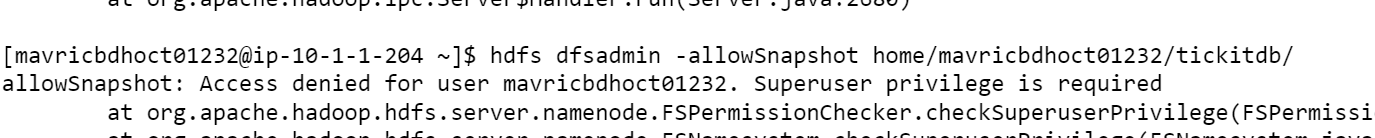
Description automatically generated

Question 15:

hdfs dfs -deleteSnapshot /tickitdb/ snapshot1



Question 16: Super User Permission required for this



Question 17:

hdfs dfs -setrep 3 /tickitdb

A screen shot of a computer code

Description automatically generated

Question 18:

Question 19:

Hdfs dfs -home/ mavricbdhoct01232

A black and white text

Description automatically generated

Question 20:

Hdfs dfs -mkdir HDFS

A screenshot of a computer screen

Description automatically generated

Hdfs dfs -put test.txt HDFS/

Hdfs dfs -ls -r HDFS/

