HADOOP ASSIGNMENT-1

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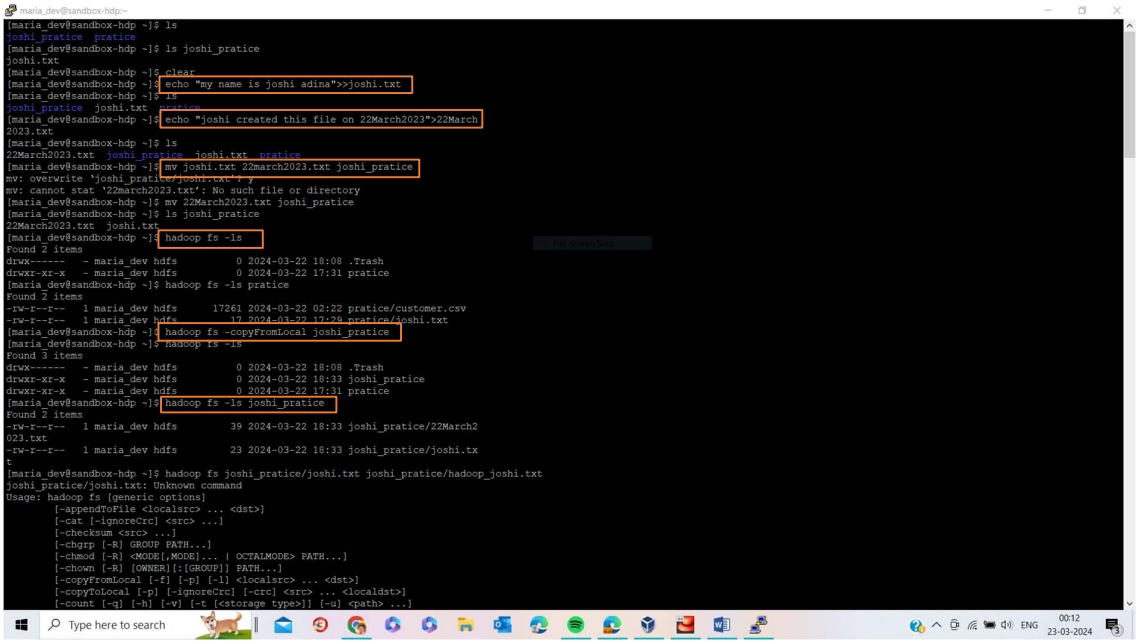
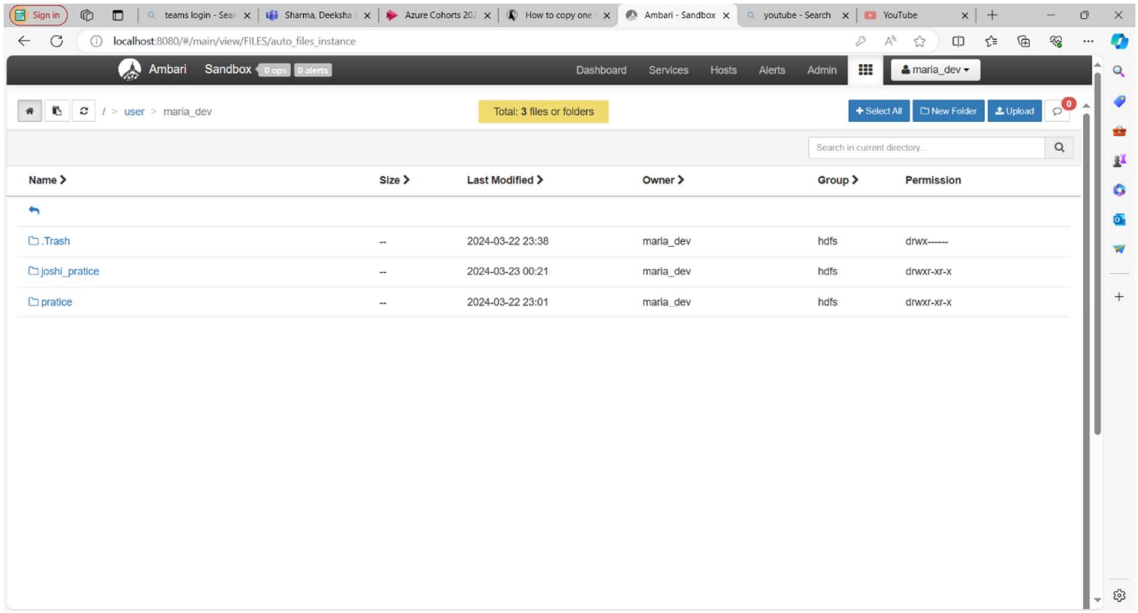


- First list out the folders in root location of local machine by using this command "**ls**".
- I created directory with name "**joshi_pratice**" by using "**mkdir <foldername>**" .
- I create new file name "**joshi.txt**" and "**22March2023.txt**" by using " **echo " " >> <filename.extension>"** in local root directory.
- Move files from local root location into **"joshi_pratice"** directory by using "**mv <filename> <path/location>**".
- By using "**hadoop fs -ls**" command we get to know how many folders are there in root location of Hadoop.
- Create one directory in Hadoop file system with name "**joshi_pratice**" by using command "**hadoop fs –mkdir joshi_pratice**"
- Move all these files or folder from local to Hadoop by using this command "**Hadoop fs –copyFromLocal joshi_pratice**"
- Check files are appear into Hadoop file system successfully are not by using this command "**hadoop fs –ls joshi_pratice**"



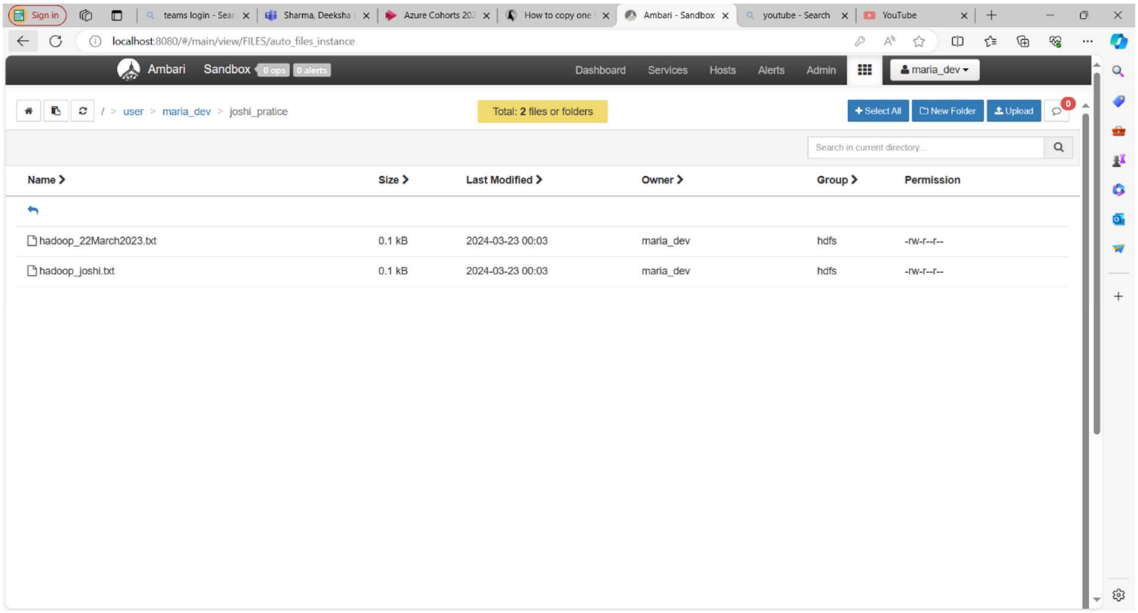
We can see that folder "**joshi_pratice**" which is copied folder from local to Hadoop in above pic which is take from Ambary site which is a Graphical user interface for Hadoop.

```
[maria_dev@sandbox-hdp ~]$ hadoop fs -mv joshi_pratice/joshi.txt joshi_pratice/hadoop_joshi.txt
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls joshi_pratice
Found 2 items
-rw-r--r--   1 maria_dev hdfs         39 2024-03-22 18:33 joshi_pratice/22March2023.txt
-rw-r--r--   1 maria_dev hdfs         23 2024-03-22 18:33 joshi_pratice/hadoop_joshi.txt
[maria_dev@sandbox-hdp ~]$ hadoop fs -mv joshi_pratice/22March2023.txt hadoop_22March2023.txt
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls joshi_pratice
Found 1 items
-rw-r--r--   1 maria_dev hdfs         23 2024-03-22 18:33 joshi_pratice/hadoop_joshi.txt
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls
Found 4 items
drwx------   - maria_dev hdfs          0 2024-03-22 18:08 .Trash
-rw-r--r--   1 maria_dev hdfs         39 2024-03-22 18:33 hadoop_22March2023.txt
drwxr-xr-x   - maria_dev hdfs          0 2024-03-22 18:38 joshi_pratice
drwxr-xr-x   - maria_dev hdfs          0 2024-03-22 17:31 pratice
```

Rename files " **joshi.txt** " to " **hadoop_joshi.txt** "," **22March2023** " to " **hadoop_22March2023** " by using command " **hadoop fs –mv <oldfilename> <newfilename>** ".

```
[maria_dev@sandbox-hdp ~]$ hadoop fs -mv  hadoop_22March2023.txt joshi_pratice
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls joshi_pratice
Found 2 items
-rw-r--r--   1 maria_dev hdfs         39 2024-03-22 18:33 joshi_pratice/hadoop_22March2023.txt
-rw-r--r--   1 maria_dev hdfs         23 2024-03-22 18:33 joshi_pratice/hadoop_joshi.txt
[maria_dev@sandbox-hdp ~]$ rm joshi_pratice/joshi.txt
rm: remove regular file 'joshi_pratice/joshi.txt'? y
[maria_dev@sandbox-hdp ~]$ ls joshi_pratice
22March2023.txt
[maria_dev@sandbox-hdp ~]$ rm joshi_pratice/22March2023.txt
rm: remove regular file 'joshi_pratice/22March2023.txt'? y
[maria_dev@sandbox-hdp ~]$ ls joshi_pratice
[maria_dev@sandbox-hdp ~]$ ls
joshi_pratice  pratice
[maria_dev@sandbox-hdp ~]$ rmdir joshi_pratice
[maria_dev@sandbox-hdp ~]$ ls
pratice
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls
Found 3 items
drwx------   - maria_dev hdfs          0 2024-03-22 18:08 .Trash
drwxr-xr-x   - maria_dev hdfs          0 2024-03-22 18:51 joshi_pratice
drwxr-xr-x   - maria_dev hdfs          0 2024-03-22 17:31 pratice
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls joshi_pratice
Found 2 items
-rw-r--r--   1 maria_dev hdfs         39 2024-03-22 18:33 joshi_pratice/hadoop_22March2023.txt
-rw-r--r--   1 maria_dev hdfs         23 2024-03-22 18:33 joshi_pratice/hadoop_joshi.txt
[maria_dev@sandbox-hdp ~]$
```

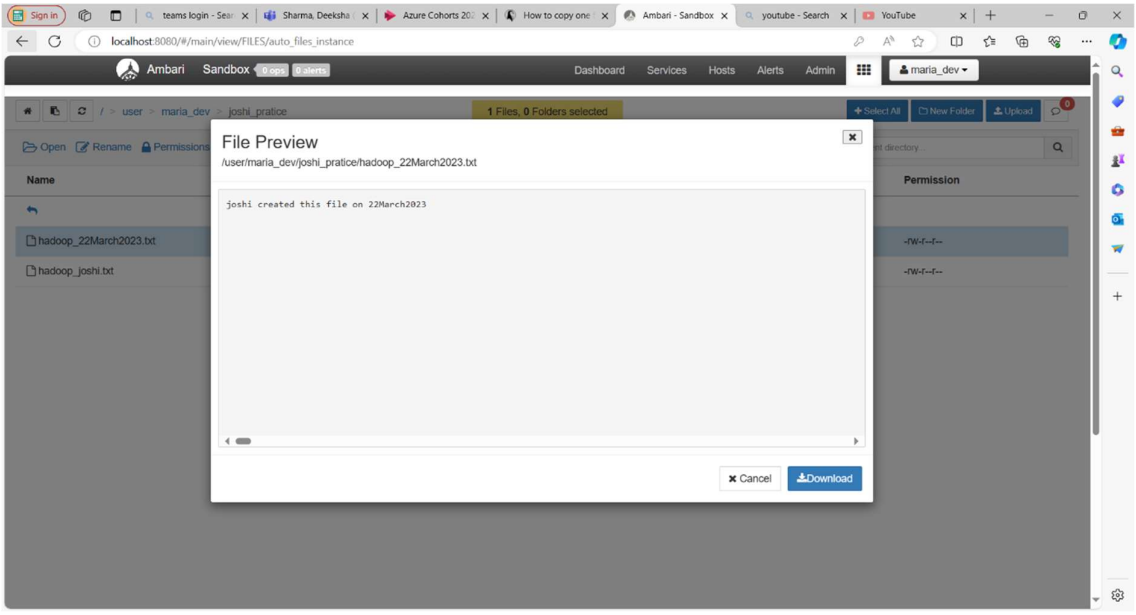
- check whether name of files got renamed are not by using this command "**hadoop fs –ls joshi_pratice**" which list files in joshi_pratice folder in Hadoop file system.
- Remove files in local host by "Joshi.txt" ,"22March2023.txt" by using this command "**rm <filename>**".
- Remove directory "**joshi_pratice** " in local host by using this command "**rmdir <directoryname>"** .



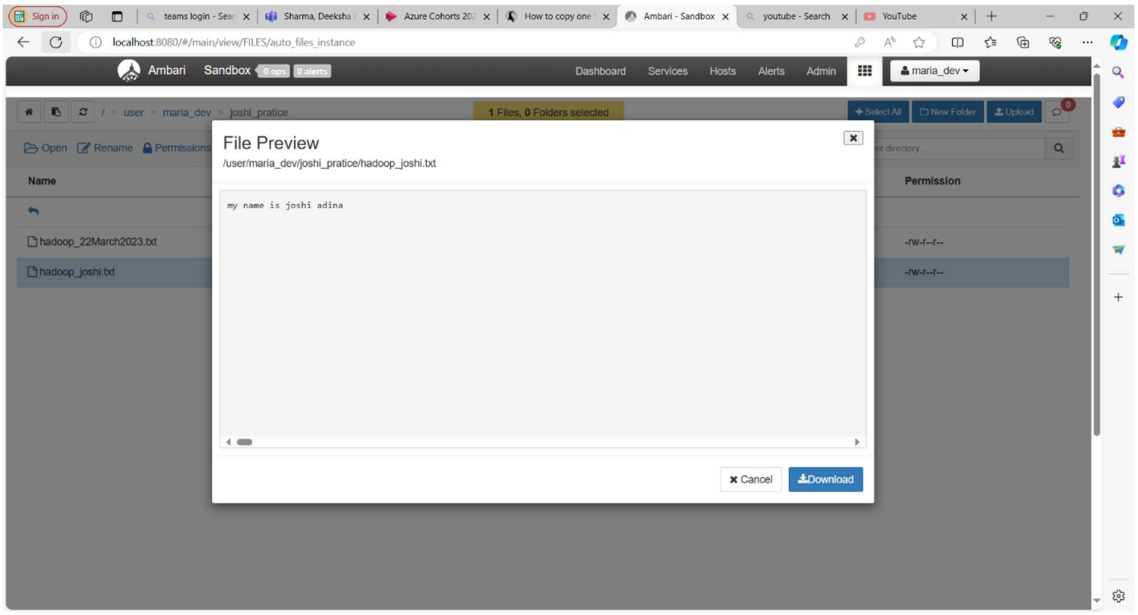
Above picture will shows Files inside folder " **joshi_pratice** " in Hadoop file system

```
[maria_dev@sandbox-hdp ~]$ hadoop fs -cat joshi_pratice/hadoop_joshi.txt
my name is joshi adina
[maria_dev@sandbox-hdp ~]$ hadoop fs -cat joshi_pratice/hadoop_22March2023.txt
joshi created this file on 22March2023
[maria_dev@sandbox-hdp ~]$
```

Content in the files can be seen by using this command **“hadoop fs –cat <filename>”.**



Above pic shows content inside the “Hadoop_22March2023.txt”



Above pic shows content inside the “Hadoop_joshi.txt”