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# HADOOP ASSIGNMENT-1

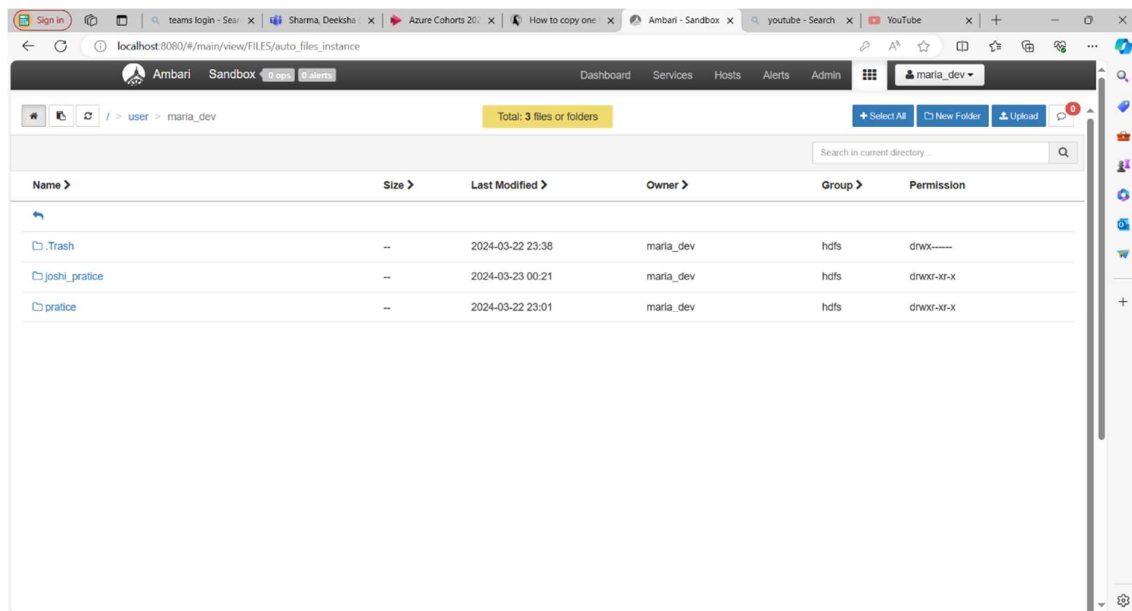
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A.JOSHI SATAYA  
VARDAN

```
maria_dev@sandbox-hdp:~$ ls
joshi_practice
maria_dev@sandbox-hdp:~$ ls joshi_practice
joshi.txt
22March2023.txt
maria_dev@sandbox-hdp:~$ clear
maria_dev@sandbox-hdp:~$ echo "my name is joshi adina">>joshi.txt
maria_dev@sandbox-hdp:~$ ls
joshi_practice joshi.txt
maria_dev@sandbox-hdp:~$ echo "joshi created this file on 22March2023">>22March2023.txt
maria_dev@sandbox-hdp:~$ ls
22March2023.txt joshi_practice joshi.txt
maria_dev@sandbox-hdp:~$ mv joshi.txt 22March2023.txt joshi_practice
mv: overwrite 'joshi_practice/joshi.txt': No such file or directory
mv: cannot stat '22March2023.txt': No such file or directory
maria_dev@sandbox-hdp:~$ mv 22March2023.txt joshi_practice
maria_dev@sandbox-hdp:~$ ls joshi_practice
22March2023.txt joshi.txt
maria_dev@sandbox-hdp:~$ hadoop fs -ls
Found 2 items
drwx-----   - maria_dev hdfs      0 2024-03-22 18:08 .Trash
drwxr-xr-x   - maria_dev hdfs      0 2024-03-22 17:31 practice
maria_dev@sandbox-hdp:~$ hadoop fs -ls practice
Found 2 items
-rw-r--r--   1 maria_dev hdfs    17261 2024-03-22 02:22 practice/customer.csv
-rw-r--r--   1 maria_dev hdfs      9 2024-03-22 17:31 practice/joshi.txt
maria_dev@sandbox-hdp:~$ hadoop fs -copyFromLocal joshi_practice
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 18:33 joshi_practice
drwxr-xr-x   - maria_dev hdfs      0 2024-03-22 17:31 practice
maria_dev@sandbox-hdp:~$ hadoop fs -ls joshi_practice
Found 2 items
-rw-r--r--   1 maria_dev hdfs      39 2024-03-22 18:33 joshi_practice/22March2023.txt
-rw-r--r--   1 maria_dev hdfs      23 2024-03-22 18:33 joshi_practice/joshi.txt
maria_dev@sandbox-hdp:~$ hadoop fs joshi_practice/joshi.txt joshi_practice/hadoop_joshi.txt
joshi_practice/joshi.txt: Unknown command
Usage: hadoop fs [generic options]
[-appendFile <localsrc> ... <dst>]
[-cat [-ignoreCrc] <src> ...]
[-checksum <src> ...]
[-chgrp [-R] GROUP PATH...]
[-chmod [-R] <MODE>[<MODE>]... [-OCTALMODE] PATH...]
[-chown [-R] [OWNER]][:[GROUP]] PATH...]
[-copyFromLocal [-f] [-p] [-l] <localsrc> ... <dst>]
[-copyToLocal [-p] [-ignoreCrc] [-crc] <src> ... <localdst>]
[-count [-q] [-h] [-v] [-t] [-t] <srcspace type>] [-u] <spath> ...]
```

- First list out the folders in root location of local machine by using this command “ls”.
- I created directory with name “joshi\_practice” 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\_practice” 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\_practice” by using command “hadoop fs -mkdir joshi\_practice”
- Move all these files or folder from local to Hadoop by using this command “Hadoop fs – copyFromLocal joshi\_practice”
- Check files are appear into Hadoop file system successfully are not by using this command “hadoop fs -ls joshi\_practice”



We can see that folder “**joshi\_pratice**” which is copied folder from local to Hadoop in above pic which is take from Ambari 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
```

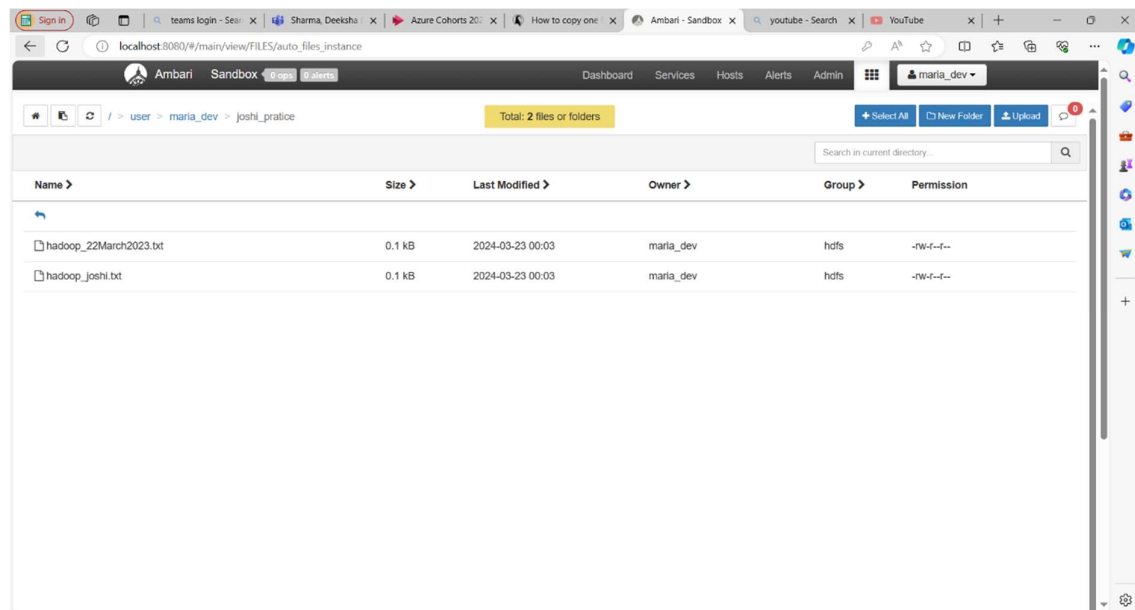
Rename files “**joshi.txt**” to “**hadoop\_joshi.txt**”, “**22March2023**” to “**hadoop\_22March2023**” by using command “**hadoop fs -mv <oldfilename> <newfilename>**”.

```

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

```

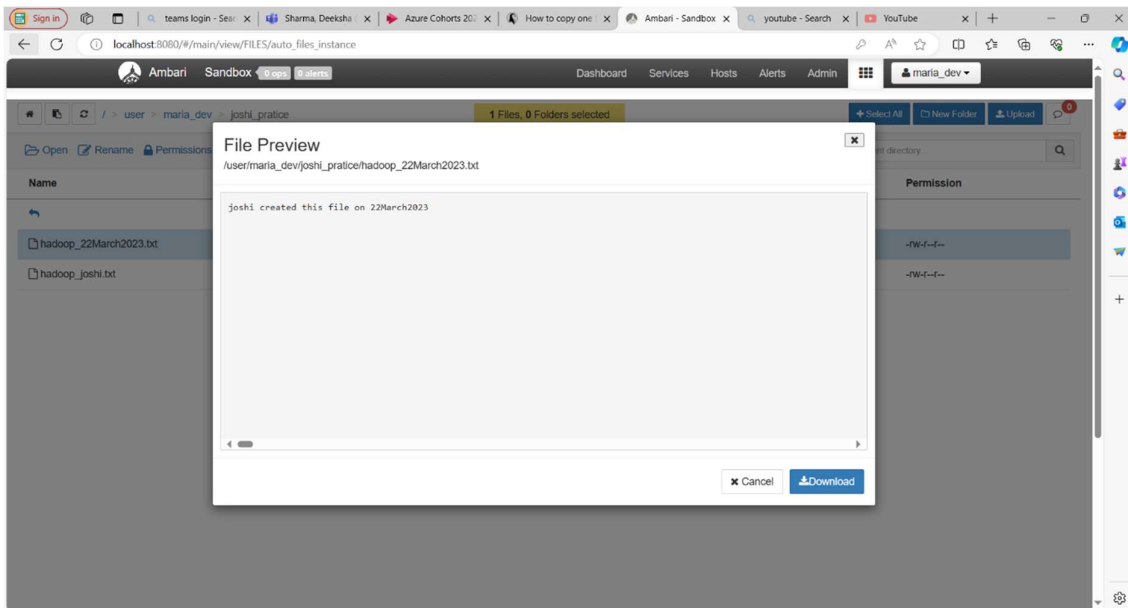
- check whether name of files got renamed are not by using this command “**hadoop fs -ls joshi\_practice**” which list files in joshi\_practice folder in Hadoop file system.
- Remove files in local host by “Joshi.txt” ,”22March2023.txt” by using this command “**rm <filename>**”.
- Remove directory “**joshi\_practice**”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



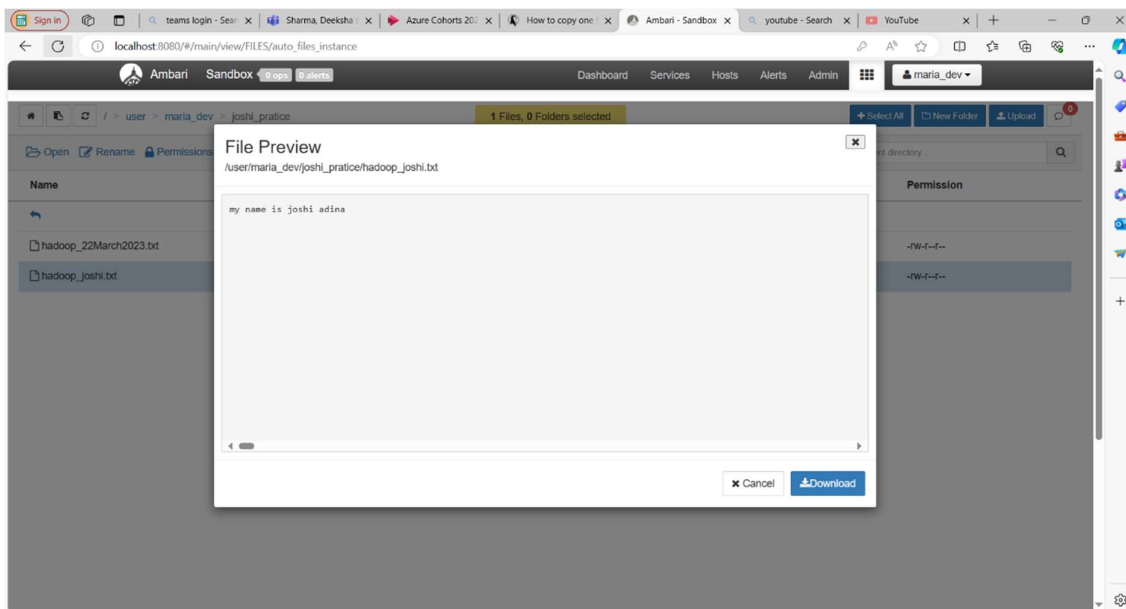
Above picture will shows Files inside folder “**joshi\_practice**” in Hadoop file system

```
[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"

