



Experiment No. 1.2

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Branch: MCA - CCD Section/Group: MCD-1/ Grp A
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Subject Name: Big Data Analytics Subject Code: 22CAP-782

1. Aim/Overview of the practical:

File management tasks in Hadoop

2. Code for practical:

• Open terminal in Ubuntu and use following command to switch user:

sudo su - hadoop

• Start servers using command:

start-dfs.sh

start-yarn.sh

OR

start-all.sh

• After starting namenodes and datanodes, make a local folder named localData.

mkdir localdata

• Then create to create a file in Hadoop using fs use command:

hadoop fs -mkdir /22mcc20039

• To view all directories in Hadoop use command:

hadoop fs -ls /

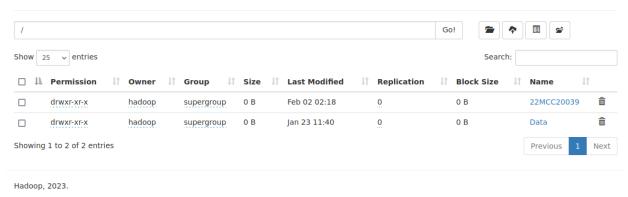




```
hadoop@ubuntu:~$ hadoop fs -mkdir /22MCC20039
hadoop@ubuntu:~$ hadoop fs -ls /
Found 2 items
drwxr-xr-x - hadoop supergroup  0 2024-02-02 02:18 /22MCC20039
drwxr-xr-x - hadoop supergroup  0 2024-01-23 11:40 /Data
hadoop@ubuntu:~$
```

You can check on localhost by clicking on Utilities > Browse the file system

Browse Directory



• To remove a directory, use command:

hdfs fs -rmdir /22mcc20039

```
hadoop@ubuntu:~$ hadoop fs -rmdir /22MCC20039
hadoop@ubuntu:~$ hadoop fs -ls /
Found 1 items
drwxr-xr-x - hadoop supergroup 0 2024-01-23 11:40 /Data
hadoop@ubuntu:~$
```