

Experiment No. 1.2

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Semester: IV

Subject Name: Big Data Analytics

UID: 22MCC20039

Section/Group: MCD-1/ Grp A

Date of Performance: 25th Jan 24

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


/

Go!




















Show

25

entries

Search:

<input type="checkbox"/>	 Permission	 Owner	 Group	 Size	 Last Modified	 Replication	 Block Size	 Name	
<input type="checkbox"/>	drwxr-xr-x	hadoop	supergroup	0 B	Feb 02 02:18	0	0 B	22MCC20039	
<input type="checkbox"/>	drwxr-xr-x	hadoop	supergroup	0 B	Jan 23 11:40	0	0 B	Data	

Showing 1 to 2 of 2 entries

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Hadoop, 2023.

- 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:~$
```

***** THE END *****