

# F Big Data A

LAB-07-A

Ramadan Timings: 11:30 am - 2:00 pm

## Lab Protocols:

1. This Lab Could hold a quiz at the end. It would be a speed quiz. Cheating would result straight 0
2. Making noise in lab during demonstration would result in immediate termination of session and start of quiz.
3. Contact me on email for queries [m.ali@nu.edu.pk](mailto:m.ali@nu.edu.pk)

List down files and folders inside a directory in hdfs

```
hdfs dfs -ls /
```

Create a new directory inside hdfs

```
hdfs dfs -mkdir /folder
```

**Move a file from Local File System to HDFS**

```
hdfs dfs -put source destination  
hdfs dfs -copyFromLocal source destination
```

**Move a file from HDFS to Local File System**

```
hdfs dfs -get source destination  
hdfs dfs -copyToLocal source destination
```

Show complete data of a file stored on HDFS

```
hdfs dfs -cat /folder/file.txt
```

Move files inside HDFS directories

```
hdfs dfs -mv source_hdfs destination_hdfs
```

Copy files inside HDFS directories

```
hdfs dfs -cp source_hdfs destination_hdfs
```

Remove a specific file on HDFS

```
hdfs dfs -rm /folder1/file.txt
```

Remove a HDFS Directory

```
hdfs dfs -rm -r /folder1
```

**Desktop file to open cloudera UI**

```
sudo /home/cloudera/cloudera-manager --express -force
```

1. RUN HDFS

2. RUN Yarn

3. Now Run all HDFS DFS Commands

**Exporting The system variable to all HDFS**

```
export HADOOP_USER_NAME=hdfs
```