Hadoop Basic Commands

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ start-all.sh
WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.
WARNING: This is not a recommended production deployment configuration.
WARNING: Use CTRL-C to abort.
Starting namenodes on [localhost]
Starting datanodes
Starting secondary namenodes [bmscecse-HP-Elite-Tower-800-G9-Desktop-PC]
Starting resourcemanager
Starting nodemanagers
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ jps
3792 ResourceManager
4384 Jps
3954 NodeManager
3510 SecondaryNameNode
3069 NameNode
3230 DataNode
```

1. mkdir: Hadoop HDFS mkdir Command Usage

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -mkdir /abcd
```

2. lsHadoop HDFS ls Command Usage

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /abcd
```

3. putHadoop HDFS put Command Usage

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -put /home/hadoop/D
esktop/Welcome.txt /abcd/WC.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /abcd
Found 1 items
-rw-r--r--   1 hadoop supergroup         19 2024-05-14 14:19 /abcd/WC.txt
```

4. copyFromLocal
Hadoop HDFS copyFromLocal Command

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -put /home/hadoop/D
esktop/Welcome.txt /abcd/WC2.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -cat /abcd/WC2.txt
Welocme to hadoop.
This is the content of Welcome file.
```

5. getHadoop HDFS get Command Usage
i.Hadoop HDFS get Command Example

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -get /abcd/WC.txt /
home/hadoop/Downloads/WWC.txt
```

ii.Hadoop HDFS get Command Example

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -getmerge /abcd/WC.
txt /abcd/WC2.txt /home/hadoop/Desktop/Merge.txt
```

iii. Hadoop HDFS get Command

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -getfacl /abcd/
# file: /abcd
# owner: hadoop
# group: supergroup
user::rwx
group::r-x
other::r-x
```

6. copyToLocalHadoop

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -copyToLocal /abcd/
WC.txt /home/hadoop/Desktop
```

7. Cat Hadoop HDFS cat Command Usage

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -cat /abcd/WC.txt
Welocme to hadoop.
```

8. mvHadoop HDFS mv Command Usage

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -mv /abcd /FFF
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /FFF
Found 2 items
-rw-r--r--   1 hadoop supergroup         19 2024-05-14 14:19 /FFF/WC.txt
-rw-r--r--   1 hadoop supergroup         56 2024-05-14 14:24 /FFF/WC2.txt
```

9. Cp Hadoop HDFS

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -mkdir /CSE
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -mkdir /CSE/InnerDi
rectory
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /CSE
Found 1 items
drwxr-xr-x   - hadoop supergroup          0 2024-05-14 14:43 /CSE/InnerDirectory
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hdfs dfs -mkdir /LLL
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /LLL
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -cp /CSE/ /LLL
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /LLL
Found 1 items
drwxr-xr-x   - hadoop supergroup          0 2024-05-14 14:46 /LLL/CSE
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ hadoop fs -ls /LLL/CSE
Found 1 items
drwxr-xr-x   - hadoop supergroup          0 2024-05-14 14:46 /LLL/CSE/InnerDirec
tory
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ 
```