

Assignment No 8 – Mayur Borse

Q) perform all the HDFS admin commands and take screenshots of it.

1. HDFS File and Directory Operations

List Files and Directories:

```
hdfs dfs -ls /
```

Create a Directory:

```
hdfs dfs -mkdir /
```

Copy from Local to HDFS:

```
hdfs dfs -copyFromLocal /
```

Copy from HDFS to Local:

```
hdfs dfs -copyToLocal /
```

Remove a File or Directory:

```
hdfs dfs -rm /
```

```
hdfs dfs -rmdir /
```

2. HDFS Quota and Space Usage:

-Set Quota for a Directory:

```
hdfs dfsadmin -setSpaceQuota <quota-in-bytes> /path
```

- Check Disk Space Usage:

```
hdfs dfs -du -h /path
```

3. HDFS Permissions:

- Change Ownership

```
hdfs dfs -chown <user>:<group> /path
```

- Change Permissions:

```
hdfs dfs -chmod <permissions> /path
```

4. HDFS Snapshots:

Create a Snapshots:

```
hdfs dfsadmin -allowSnapshot /path
```

-Delete a Snapshot:

```
hdfs dfs -deleteSnapshot /path snapshotName
```

5. HDFS Balancer:

- Run HDFS Balancer

```
hdfs balancer
```

6. HDFS Safemode Operations:

- Enter Safemode

```
hdfs dfsadmin -safemode enter
```

- Leave Safemode:

```
hdfs dfsadmin -safemode leave
```

7. HDFS Decommission Nodes:

- Start Decommission:

```
hdfs dfsadmin -startDecommission <datanode>
```

- Complete Decommission:

```
hdfs dfsadmin -completeDecommission <datanode>
```

