ROLL NUMBER: 210701112

EXP NO: 3 MAP REDUCE PROGRAM TO PROCESS A WEATHER DATASET

\$cd DA-Lab \$mkdir exp3 \$cd exp3

\$nano dataset.txt

```
The Actions Edit Vew Help

| Control | Control
```

\$nano mapper.py

```
File Actions Edit View Help

GNU nano 7.2

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\$nano reducer.py

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\$start-all.sh

\$ jps

```
(hadoop® kali)-[~]
$ jps
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
14436 NodeManager
16772 Jps
13830 SecondaryNameNode
14311 ResourceManager
13597 DataNode
13471 NameNode
```

\$hdfs dfs -mkdir/exp3

\$hdfs dfs -copyFromLocal ~/DA-Lab/exp3/dataset.txt /exp2

\$chmod 777 mapper.py reducer.py

\$hadoop jar \$HADOOP_STREAMING -input /exp3/dataset.txt -output /exp3/output -mapper ~/DA-Lab/exp3/mapper.py -reducer ~/DA-Lab/exp3/reducer.py

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