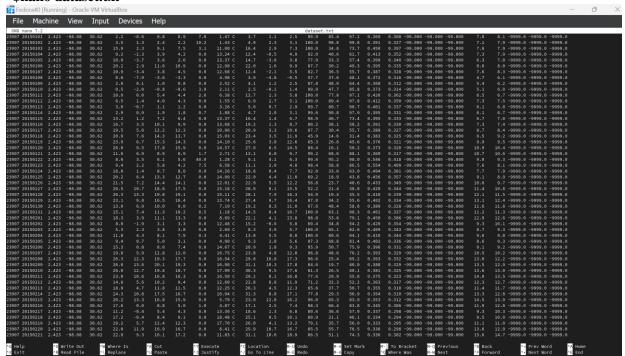
EXP NO: 3 MAP REDUCE PROGRAM TO PROCESS A WEATHER DATASET

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

\$nano dataset.txt



\$nano mapper.py



\$nano reducer.py



\$start-all.sh

```
MARKING: Attempting to start all Apache Hadoop daemons as karthickragav in 10 seconds.

MARKING: This is not a recommended production deployment configuration.

MARKING: Use CTRL-C to abort.

Starting namenodes on [localhost]

Starting datanodes

Starting secondary namenodes [fedora]

Starting resourcemanager

Starting nodemanagers
```

\$ jps

```
Karthickragangfedora: $ jps
4816 Jps
4846 NodeManager
3669 NameNode
4809 SecondaryNameNode
4847 ResourceManager
3715 DataNode
```

\$hdfs dfs -mkdir /exp3

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

```
Karthickragav@fedora:-/dalab/exp3$ hdfs dfs -ls /weatherdata

Found 2 items
-rw-r--r-- 1 karthickragav supergroup 79568 2024-09-02 10:36 /weatherdata/dataset.txt

drwxr-xr-x - karthickragav supergroup 0 2024-09-02 11:03 /weatherdata/output
```

\$chmod 777 mapper.py reducer.py

210701094

```
$hdfs dfs -cat /exp3/output/*
karthickragav@fedora:~/dalab/exp3$ hdfs dfs -cat /weatherdata/output/*
01
         26.5
02
         26.6
03
         29.1
04
         30.8
05
         31.1
06
         33.6
07
         38.5
98
         40.2
09
         36.5
10
         36.9
11
         27.6
         25.9
```