ROLL NUMBER: 210701094

EXP NO: 2 RUN A BASIC WORD COUNT MAP REDUCE PROGRAM TO UNDERSTAND MAP REDUCE PARADIGM

\$mkdir DA-Lab \$cd DA-Lab \$mkdir exp2 \$cd exp2

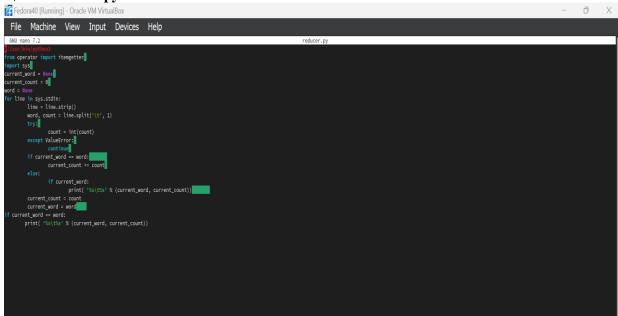
\$nano word_count.txt



\$nano mapper.py



\$nano reducer.py



ROLL NUMBER: 210701094

\$start-all.sh

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

MAMRING: This is not a recommended production deployment configuration.

MAMRING: This is not a recommended production deployment configuration.

Starting namemodes on [localhost]

Starting datamodes

Starting secondary namemodes [fedora]

Starting resourcemanager

Starting namemodes [fedora]
```

\$ jps

```
Karthickragan@fedora:-$ jps
4916 . Ops
4487 NodeManager
3669 NameNode
4869 SecondaryNameNode
4347 ResourceManager
3775 DataNode
```

\$hdfs dfs -mkdir /exp2

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

\$chmod 777 mapper.py reducer.py

```
File Machine Vew Input Devices Help

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222-67-92 231412-5,322 1070 pp., (una) 222-67-92 1070 1070 pp., (una) 222-
```

ROLL NUMBER: 210701094

```
$hdfs dfs -cat /exp2/output/*

| Arthickragavefedora:-/dalab/exp2; hdfs dfs -cat /word_count_in_py/new_output/part-89888
experiment
experiments
hadoop 1
installation 1
lab 1
program 1
wordcount
```