ROLL NUMBER: 210701108

# 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

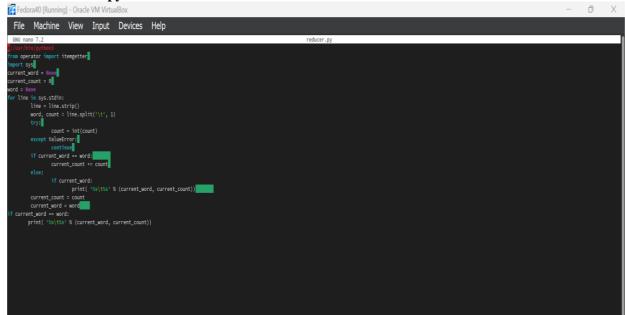
# \$nano word\_count.txt



# \$nano mapper.py



# \$nano reducer.py



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### \$start-all.sh

```
WARKING: Attempting to start all.Apache Hadoop daemons as Warthickragav in 10 seconds.

WARKING: This is not a recommended production deployment configuration.

WARKING: Use CTRL-C to abort.

Starting namemodes on [localhost]

Starting datanodes

Starting secondary namemodes [fedora]

Starting recondary namemodes [fedora]

Starting nodemanagers
```

# \$ jps

```
Karthickragav@fedora:-$ jps
4916 Jps
4487 NodeManager
3609 NaneNode
4809 SecondaryNaneNode
4347 ResourceManager
3775 DataNode
```

# \$hdfs dfs -mkdir /exp2

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

```
Karthickragan@feoora:-/Galab/enpi$ hdfs dfs -ls /word_count_in_py
Found 2 items
-fw-r-r- 1 karthickragav supergroup 83 2024-09-01 21:13 /word_count_in_py/count.tvt
dfwxr-xr-x - karthickragav supergroup 0 2024-09-01 21:14 /word_count_in_py/new_output
karthickragav@feoora:-/Galab/expi$
```

# \$chmod 777 mapper.py reducer.py

```
File Machine Vew Input Devices Help

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

| Arthickragavefedora:-/dalab/evp2$ hdfs dfs -cat /word_count_in_py/new_output/part-89888
experiment
experiments
hadoop 1
program 1
```