ROLL NUMBER: 210701074

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

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

\$nano dataset.txt

```
For Action 18 Term 1945

For Action 18 Term 19
```

\$nano mapper.py

```
File Actions Edit View Help

GNU name 7.2

Import sys

for line + line.strip() a mixture with the line with the words - line.strip() a mixture with the line words - line[10:12]

daily_max = line[30:45]

daily_max = daily_max.strip()

for word in words:

print ("ss\ts" % (sonth daily_max))
```

\$nano reducer.py

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\$start-all.sh

```
File Actions Edit View Help

Changes Asilia(=)

Start-all.sh
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\$ jps

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14/36 NodeManager

14/72 Jun

13/308 SecondaryNumeNode

14/31 ResourceAphrager

13/377 NameNode

13/377 NameNode
```

\$hdfs dfs -mkdir /exp3

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

\$chmod 777 mapper.py reducer.py

\$\text{\$hadoop jar \$HADOOP_STREAMING -input /exp3/dataset.txt -output /exp3/output -mapper \$\times \text{DA-Lab/exp3/mapper.py -reducer }\times \text{DA-Lab/exp3/reducer.py}\$

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