## Chirag Khandhar

 $A20438926 \mid \text{CSP}$ 554 - Big Data Technologies | Fall 2020 | Assignment 3

## Q 6. WordCount2.py results:

```
a_{to} = 46
other = 49
```

```
nome/hadoop/contrib...

usr/lib/hadoop-mapreduce...

hadoop-mapreduce/hadoop-streaming.jar

tz.hadoop.2000917.00634.005572

**Lis.hadoop.2000917.00634.005672

**Lis.hadoop/tmp/mrjob/wordcount2.hadoop.20200917.040634.005672/files/wd...

**Listop/wordcount2.hadoop.20200917.040634.005672/files/

**Listop/wordcount2.hadoop.20200917.040634.005672/files/

**Listop/wordcount2.hadoop.20200917.040634.005672/files/

**Listop/wordcount2.hadoop.20200917.040634.005672/files/
               i/usr/lib/hadoop/hadoop-streaming-2.8.5-amzn-6.jar] /tmp/streamjob7614291077697093352.jar tmpDir=null urceManager at ip-172-31-11-25.ec2.internal/j72.31.11.25:8032 urceManager at ip-172-31-11-25.ec2.internal/j72.31.11.25:8032
                        rary initialized native-lzo library [hadoop-lzo rev ff8f5709577defb6b78cdc1f98cfe129c4b6fe46] process : 1
                     ' job: job_1600309860566_0005
| application_1600309860566_0005
| job: http://jp-172-31-11-25.ec2.internal:20888/proxy/application_1600309860566_0005/
| 309360566_0005
| 5,0005 running in uber mode : false
                                              sks-4
trasks=1
milliseconds taken by all map tasks-47542272
milliseconds taken by all reduce tasks=12020736
t by all map tasks (ms)=30952
t by all maps in occupied slots (ms)=1485696
t by all reduce tasks (ms)=3913
t by all reduce tasks (ms)=3913
t by all reduces to occupied slots (ms)=375648
liseconds taken by all map tasks=30952
liseconds taken by all reduce tasks=3913
                                ser/hadoop/tmp/mrjob/WordCount2.hadoop.20200917.040634.005672/output
m hdfs:///user/hadoop/tmp/mrjob/WordCount2.hadoop.20200917.040634.005672/output...
emp directory hdfs://user/hadoop/tmp/mrjob/WordCount2.hadoop.20200917.040634.005672...
irectory /tmp/WordCount2.hadoop.20200917.040634.005672...
13-11-25 - JB
```

```
\mathrm{High} = 442
\mathrm{Low} = 7064
\mathrm{Medium} = 6312
```

```
python Salaries2.py -r hadoop hdfs:///user/hadoop/Salaries.tsv
ck on auto-configuration
                          1...
[] [/usr/lib/hadoop/hadoop-streaming-2.8.5-amzn-6.jar] /tmp/streamjob41112624364356618.jar tmpDir=null
esourceManager at ip-172-31-11-25.ec2.internal/172.31.11.25:8032
esourceManager at ip-172-31-11-25.ec2.internal/172.31.11.25:8032
                                            rary
initialized native-lzo library [hadoop-lzo rev ff8f5709577defb6b78cdc1f98cfe129c4b6fe46]
process : 1
                                 for job: job_1600309860566_0007
for job: job_1600309860566_0007
for application_1600309860566_0007
he job: http://ip-172-31-11-25.ec2.internal:20888/proxy/application_1600309860566_0007/
60030986056_0007
J566_0007 running in uber mode : false
                               100%
0566_0007 completed successfully
hdfs:///user/hadoop/tmp/mrjob/Salaries2.hadoop.20200917.043415.335771/output
                               S: Number of write operations=2 s
a local map tasks=4
led map tasks=1
led map tasks=1
miched reduce tasks=1
al mepabyte-milliseconds taken by all map tasks=50045952
al mepabyte-milliseconds taken by all reduce tasks=11986944
al time spent by all map tasks (ms)=32582
al time spent by all maps in occupied slots (ms)=1563936
al time spent by all reduce tasks (ms)=3902
al time spent by all reduce tasks (ms)=3902
al time spent by all reduce tasks (map)=30282
al torer=milliseconds taken by all map tasks=3282
al voore-milliseconds taken by all reduce tasks=3902
Framework
                                   concent missecones taken by all reduces time sport (ms)-6160 ine input records-13818 ine output records-12 ed Shuffles-0 ime elapsed (ms)=758 t split bytes-468 input records-13818 output bytes-12992 output materialized bytes-231 output records-13818 ed Map outputs-4 ed Map outputs-4 ical memory (bytes) snapshot-1960869888 ee input groups-3
                                       Outputs
shuffle bytes=73;
dd Maps =4
dd Records=73;
d Records=74
committed heap usage (bytes)=1756880088
committed heap
gemmony (bytes) snapshot=17766526976
l memony (bytes) snapshot=17766526976
                                   .JMAP=0.
_ZREDUCE=0
:://user/hadoop/tmp/mrjob/Salaries2.hadoop.20200917.043415.335771/output
ut from hdfs://user/hadoop/tmp/mrjob/Salaries2.hadoop.20200917.043415.335771/output...
004
6312
HDFS temp directory hdfs:///user/hadoop/tmp/mrjob/Salaries2.hadoop.20200917.043415.335771...
temp directory /tmp/Salaries2.hadoop.20200917.043415.335771...
p-172-31-11-25 ~]$
```

## Q 12. Movies.py results:

```
ther local files to hdfs:///user/hadoop/tmp/mrjob/Movies.hadoop.20200917.051443.931910/files/
ppl of l...
plobJar: ] [/usr/lib/hadoop/hadoop-streaming-2.8.5-amzn-6.jar] /tmp/streamjob1511228572715409823.jar tmpDir=null
ng to ResourceManager at ip-172-31-11-25.ec2.internal/172.31.11.25.8032
null plot of the state of 
                                                                                                                                                                                                                                                                                   duce O%
educe O%
educe O%
reduce O%
on 20030860566.0011 completed successfully
ectory: hdfs:///user/hadoop/tmp/mrjob/Movies.hadoop.20200917.051443.931910/output
The state of the s
```