

# Hadoop program for Map Reduce to find the common Friends

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Cloudera box [Running] - Oracle VM VirtualBox
Applications Places System
Thu Feb 18, 12:39 AM cloudera
cloudera@quickstart:~
File Edit View Search Terminal Help
[cloudera@quickstart ~]$ hadoop jar /home/cloudera/CommonFriend.jar MutualFriends /user/cloudera/input /user/cloudera/output
16/02/18 00:38:26 INFO client.RMProxy: Connecting to ResourceManager at /0.0.0.0:8032
16/02/18 00:38:27 WARN mapreduce.JobSubmitter: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with
ToolRunner to remedy this.
16/02/18 00:38:28 INFO input.FileInputFormat: Total input paths to process : 1
16/02/18 00:38:28 INFO mapreduce.JobSubmitter: number of splits:1
16/02/18 00:38:29 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1455774602498_0014
16/02/18 00:38:29 INFO impl.YarnClientImpl: Submitted application application_1455774602498_0014
16/02/18 00:38:29 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1455774602498_0014/
16/02/18 00:38:29 INFO mapreduce.Job: Running job: job_1455774602498_0014
16/02/18 00:38:42 INFO mapreduce.Job: Job job_1455774602498_0014 running in uber mode : false
16/02/18 00:38:42 INFO mapreduce.Job: map 0% reduce 0%
16/02/18 00:38:51 INFO mapreduce.Job: map 100% reduce 0%
16/02/18 00:39:02 INFO mapreduce.Job: map 100% reduce 100%
16/02/18 00:39:02 INFO mapreduce.Job: Job job_1455774602498_0014 completed successfully
16/02/18 00:39:02 INFO mapreduce.Job: Counters: 49
File System Counters
  FILE: Number of bytes read=180
  FILE: Number of bytes written=220679
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=172
  HDFS: Number of bytes written=57
  HDFS: Number of read operations=6
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=2
Job Counters
  Launched map tasks=1
  Launched reduce tasks=1
  Data-local map tasks=1
  Total time spent by all maps in occupied slots (ms)=7200
  Total time spent by all reduces in occupied slots (ms)=7324
  Total time spent by all map tasks (ms)=7200
  Total time spent by all reduce tasks (ms)=7324
  Total vcore-seconds taken by all map tasks=7200
Browsing HDFS... Computer / cloudera@quic... cloudera
Right Ctrl
```

```
Cloudera box [Running] - Oracle VM VirtualBox
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Thu Feb 18, 12:42 AM cloudera
cloudera@quickstart:~
File Edit View Search Terminal Help
Combine output records=0
Reduce input groups=9
Reduce shuffle bytes=180
Reduce input records=18
Reduce output records=9
Spilled Records=36
Shuffled Maps =1
Failed Shuffles=0
Merged Map outputs=1
GC time elapsed (ms)=216
CPU time spent (ms)=1290
Physical memory (bytes) snapshot=372690944
Virtual memory (bytes) snapshot=3047321600
Total committed heap usage (bytes)=258478080
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
  IO_ERROR=0
  WRONG_LENGTH=0
  WRONG_MAP=0
  WRONG_REDUCE=0
File Input Format Counters
  Bytes Read=46
File Output Format Counters
  Bytes Written=57
[cloudera@quickstart ~]$ hadoop fs -cat /user/cloudera/output/part-r-00000
AB      CD
AC      BD
AD      BC
BC      ADE
BD      ACE
BE      CD
CD      ABE
CE      BD
DE      BC
[cloudera@quickstart ~]$
```

## Android Application use the Alchemy API to do sentiment Analysis on speech of the user.

