```
[root@sandbox ~]# hadoop jar /usr/hdp/2.4.0.0-169/hadoop-mapreduce/hadoop-streaming-2.7.1.2.4.0.0-169.jar -file /root/lab/wc_mapper-2.py -file /root/lab/wc
_reducer-2.py -input /user/root/shakespeare_100.txt -output /user/root/word_streaming_out
WARNING: Use "yarn jar" to launch YARN applications.
16/10/04 16:36:07 WARN streaming.StreamJob: -file option is deprecated, please use generic option -files instead.
packageJobJar: [/root/lab/wc_mapper-2.py, /root/lab/wc_reducer-2.py] [/usr/hdp/2.4.0.0-169/hadoop-mapreduce/hadoop-streaming-2.7.1.2.4.0.0-169.jar] /tmp/streamjob2661142778205118858.jar tmpDir=null
16/10/04 16:36:10 INFO impl.TimelineClientImpl: Timeline service address: http://sandbox.hortonworks.com:8188/ws/v1/timeline/
16/10/04 16:36:10 INFO client.RMProxy: Connecting to ResourceManager at sandbox.hortonworks.com/10.0.2.15:8050
16/10/04 16:36:12 INFO impl.TimelineClientImpl: Timeline service address: http://sandbox.hortonworks.com:8188/ws/v1/timeline/
16/10/04 16:36:12 INFO client.RMProxy: Connecting to ResourceManager at sandbox.hortonworks.com/10.0.2.15:8050
16/10/04 16:36:12 INFO mapred.FileInputFormat: Total input paths to process : 1
16/10/04 16:36:12 INFO mapreduce.JobSubmitter: number of splits:2
16/10/04 16:36:13 INFO mapreduce. JobSubmitter: Submitting tokens for job: job 1475591931336 0006
16/10/04 16:36:13 INFO impl.YarnClientImpl: Submitted application application 1475591931336 0006
16/10/04 16:36:14 INFO mapreduce.Job: The url to track the job: http://sandbox.hortonworks.com:8088/proxy/application_1475591931336_0006/
16/10/04 16:36:14 INFO mapreduce. Job: Running job: job_1475591931336_0006
16/10/04 16:36:24 INFO mapreduce.Job: Job job_1475591931336_0006 running in uber mode : false
16/10/04 16:36:24 INFO mapreduce.Job: map 0% reduce 0%
16/10/04 16:36:37 INFO mapreduce.Job: map 100% reduce 0%
16/10/04 16:36:53 INFO mapreduce. Job: map 100% reduce 100%
16/10/04 16:36:54 INFO mapreduce. Job: Job job 1475591931336 0006 completed successfully
16/10/04 16:36:54 INFO mapreduce. Job: Counters: 49
            File System Counters
                         FILE: Number of bytes read=8574785
                         FILE: Number of bytes written=17556948
                         FILE: Number of read operations=0
                         FILE: Number of large read operations=0
                         FILE: Number of write operations=0
                         HDFS: Number of bytes read=5721223
                         HDFS: Number of bytes written=721004
                         HDFS: Number of read operations=9
                         HDFS: Number of large read operations=0
                         HDFS: Number of write operations=2
            Job Counters
                         Launched map tasks=2
                         Launched reduce tasks=1
                         Data-local map tasks=2
                         Total time spent by all maps in occupied slots (ms)=21940
                         Total time spent by all reduces in occupied slots (ms)=13628
                         Total time spent by all map tasks (ms)=21940
                         Total time spent by all reduce tasks (ms)=13628
                         Total vcore-seconds taken by all map tasks=21940
                         Total vcore-seconds taken by all reduce tasks=13628
                         Total megabyte-seconds taken by all map tasks=5485000
                         Total megabyte-seconds taken by all reduce tasks=3407000
            Map-Reduce Framework
                         Map input records=124788
                         Map output records=904065
                         Map output bytes=6766649
                         Map output materialized bytes=8574791
                         Input split bytes=234
```

Combine input records=0
Combine output records=0
Reduce input groups=67782

```
[root@sandbox ~]# hadoop fs -cat /user/root/word_streaming_out/part* | sort -n -k2 -r | head -n20
the
        23407
        19540
I
and
        18358
to
        15682
of
        15649
        12586
8
        10825
my
        9633
in
        9129
you
        7874
15
        7543
that
        7068
And
not
        6967
        6771
with
his
        6218
        6017
be
        6016
your
for
        5629
        5236
have
[it
        4920
```