

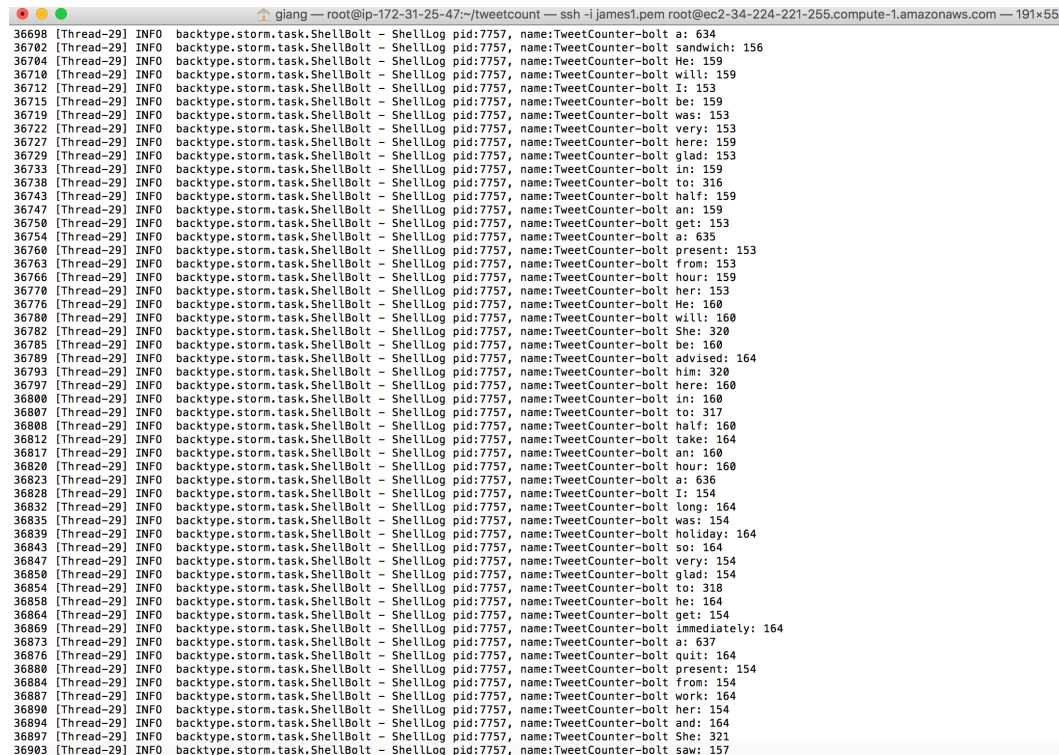
1. Wordcount.clj

```
(ns wordcount
  (:use [streamparse.specs])
  (:gen-class))

(defn wordcount [options]
  [
    ;; spout configuration
    {"sentences-spout" (python-spout-spec
      options
      "spouts.sentences.Sentences"
      ["sentence"]
    )}
    ;; bolt configuration
    {"ParseTweet-bolt" (python-bolt-spec
      options
      {"sentences-spout" :shuffle}
      "bolts.parse.ParseTweet"
      ["word"]
      :p 2
    )}

    {"TweetCounter-bolt" (python-bolt-spec
      options
      {"ParseTweet-bolt" ["word"]}}
      "bolts.tweetcounter.TweetCounter"
      []
    )}
  ]
)
```

2. Screenshot



```
giang ~ root@ip-172-31-25-47:~/tweetcount — ssh -i james1.pem root@ec2-34-224-221-255.compute-1.amazonaws.com — 191x55
36698 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt a: 634
36702 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt sandwich: 156
36704 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt He: 159
36710 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt will: 159
36712 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt I: 153
36715 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt be: 159
36719 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt was: 153
36722 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt very: 153
36727 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt here: 159
36729 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt glad: 153
36733 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt in: 159
36738 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt to: 316
36743 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt half: 159
36747 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt an: 159
36750 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt get: 153
36754 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt a: 635
36760 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt present: 153
36763 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt from: 153
36766 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt hour: 159
36770 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt her: 153
36776 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt He: 160
36780 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt will: 160
36782 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt She: 320
36785 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt be: 160
36789 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt advised: 164
36793 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt him: 320
36797 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt here: 160
36800 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt in: 160
36807 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt to: 317
36808 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt half: 160
36812 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt take: 164
36817 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt an: 160
36820 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt hour: 160
36823 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt a: 636
36828 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt I: 154
36832 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt long: 164
36835 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt was: 154
36839 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt holiday: 164
36843 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt so: 164
36847 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt very: 154
36850 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt glad: 154
36854 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt to: 318
36858 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt he: 164
36864 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt get: 154
36869 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt immediately: 164
36873 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt a: 637
36876 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt quit: 164
36880 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt present: 154
36884 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt from: 154
36887 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt work: 164
36890 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt her: 154
36894 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt and: 164
36897 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt She: 321
36903 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:7757, name:TweetCounter-bolt saw: 157
```