```
(ns tweetcount
  (:use
              [streamparse.specs])
  (:gen-class))
(defn tweetcount [options]
     ;; spout configuration
      {"tweet-spout" (python-spout-spec
             options
              "spouts.tweets.TweetSpout"
              ["tweet"]
     ;; First layer of bolts, spawn 2 instances to process tweets and output Words
     {"tweet-bolt" (python-bolt-spec
              options
              {"tweet-spout" :shuffle}
"bolts.tweetparser.TweetParser"
              ["words"]
              :p 2
              )
     ;; Second layer of bolts, one instance to Count words
      'word-bolt" (python-bolt-spec
              options
              {"tweet-bolt" :shuffle}
              "bolts.wordcount.WordCounter"
              ["word" "count"]
              :p 1
 ]
)
18927 [Thread-14-tweet-bolt] INFO backtype.storm.task.ShellBolt - Start checking heartbeat...
18927 [Thread-14-tweet-bolt] INFO backtype.storm.daemon.executor - Prepared bolt tweet-bolt:(4)
18989 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 1
19007 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 1
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 1
19010 [Thread-27] INFO
19011 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 1
19038 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 1
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 1
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 1
19048 [Thread-27] INFO
19049 [Thread-27] INFO
19051 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt so: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt he: 1
19069 [Thread-27] INFO
19073 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt immediately: 1
19087 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt quit: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt work: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt and: 1
19087 [Thread-27] INFO
19114 [Thread-27] INFO
19115 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt took: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt He: 1
19124 [Thread-27] INFO
19216 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt will: 1
19217 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt be: 1
19410 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt here: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt in: 1
19412 [Thread-27] INFO
19413 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt half: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt an: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt hour: 1
19431 [Thread-27] INFO
19434 [Thread-27] INFO
19435 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt saw: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 2
19436 [Thread-27] INFO
19437 [Thread-27] INFO
19449 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt eating: 1
19534 [Thread-27] INFO
                                  backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt trip: 1
19535 [Thread-27] INFO
19550 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt around: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt the: 1 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt world: 1
19551 [Thread-27] INFO
19555 [Thread-27] INFO
19556 [Thread-27] INFO
                                 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 2
19664 [Thread-27] INFO
```

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19890 [Thread-27] INFO

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19914 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 3
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 3
19964 [Thread-27] INFO
19968 [Thread-27] INFO
19971 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 4
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt sandwich: 1
19996 [Thread-27] INFO
20013 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt He: 2
20015 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt will: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 2
20018 [Thread-27] INFO
20053 [Thread-27] INFO
20053 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt so: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt he: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt immediately: 2
20054 [Thread-27] INFO
20072 [Thread-27] INFO
20073 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt quit: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt work: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt and: 2
20074 [Thread-27] INFO
20075 [Thread-27] INFO
20089 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt took: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 5
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt trip: 2
20090 [Thread-27] INFO
20091 [Thread-27] INFO
20091 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt around: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt the: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt world: 2
20092 [Thread-27] INFO
20093 [Thread-27] INFO
20111 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt saw: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 4
20111 [Thread-27] INFO
20112 [Thread-27] INFO
20113 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt eating: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 6
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt sandwich: 2
20116 [Thread-27] INFO
20116 [Thread-27] INFO
20225 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 5
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt be: 2
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt here: 2
20226 [Thread-27] INFO
20227 [Thread-27] INFO
20230 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt in: 2
20231 [Thread-27] INFO
20231 [Thread-27] INFO
20232 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt half: 2 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt an: 2
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt hour: 2
20250 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt He: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt will: 3
20251 [Thread-27] INFO
20251 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 3
20252 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt be: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt here: 3
20253 [Thread-27] INFO
20273 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt in: 3
20274 [Thread-27] INFO
20274 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 5 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 3
20275 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 3
20276 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 7
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 3
20302 [Thread-27] INFO
20303 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 3
20421 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt so: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt he: 3
20588 [Thread-27] INFO
20608 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt immediately: 3
20609 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt quit: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt work: 3
20609 [Thread-27] INFO
20610 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt and: 3
20611 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt took: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 8
20611 [Thread-27] INFO
20612 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt trip: 3
20613 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt around: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt half: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt an: 3
20628 [Thread-27] INFO
20628 [Thread-27] INFO
20629 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt hour: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 6 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt saw: 3
20645 [Thread-27] INFO
20648 [Thread-27] INFO
20649 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 6
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt eating: 3
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 9
20660 [Thread-27] INFO
20662 [Thread-27] INFO
20663 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt sandwich: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 7 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt saw: 4
20664 [Thread-27] INFO
20770 [Thread-27] INFO
20866 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 7 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt eating: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 10
20868 [Thread-27] INFO
20868 [Thread-27] INFO
20869 [Thread-27] INFO
                                        backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt sandwich: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 8
20870 [Thread-27] INFO
20879 [Thread-27] INFO
```

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20951 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 4
21263 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 8
21329 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 4
21330 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 4
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt the: 3 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt world: 3
21330 [Thread-27] INFO
21331 [Thread-271 INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 9
21332 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 5 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 11 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 4
21350 [Thread-27] INFO
21351 [Thread-27] INFO
21352 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt so: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt he: 4
21371 [Thread-27] INFO
21372 [Thread-27] INFO
21373 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt immediately: 4
21373 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt quit: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt work: 4
21374 [Thread-27] INFO
21392 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt and: 4
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt took: 4
backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 12
21449 [Thread-27] INFO
21473 [Thread-27] INFO
21485 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt trip: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt around: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt the: 4
21498 [Thread-27] INFO
21500 [Thread-27] INFO
21503 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt world: 4 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 10 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 6
21505 [Thread-27] INFO
21508 [Thread-27] INFO
21523 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 9
21525 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 5 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 5
21526 [Thread-27] INFO
21528 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 13
21544 [Thread-27] INFO
                                    backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 5 backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 5
21545 [Thread-27] INFO
21546 [Thread-27] INFO
```