

Lab 6- W205 Section 3 Spring 2017

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Note: All referenced source code can be found at the below link

<https://github.com/dorairajsanjay/ucb-w205-labs/tree/master/lab6/tweetcount>

Topology

```
[w205@ip-172-31-51-82 topologies]$ cat tweetcount.clj
(ns tweetcount
  (:use [streamparse.specs])
  (:gen-class))

(defn tweetcount [options]
  [
    ;; spout configuration
    {"tweet-spout" (python-spout-spec
                     options
                     "spouts.sentences.Sentences"
                     ["sentence"]
                     )
    }

    ;; parse tweet bolt
    {"parse-tweet-bolt" (python-bolt-spec
                         options
                         {"tweet-spout" :shuffle}
                         "bolts.parse.ParseTweet"
                         ["valid_words"]
                         :p 2
                         )

    ;; word count bolt
    {"tweetcounter-bolt" (python-bolt-spec
                         options
                         {"parse-tweet-bolt" :shuffle}
                         "bolts.tweetcounter.TweetCounter"
                         ["word" "count"]
                         :p 1
                         )
    }
  ]
)
```

Running Example

```
2. w205@ip-172-31-51-82:~/lab6/tweetcount (ssh)
w205@ip-172-31-51-82:~/lab6/tweetcount (ssh)
31279 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt a: 12
31285 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt present: 3
31294 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt a: 13
31317 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt present: 4
31322 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt from: 3
31331 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt from: 4
31349 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt her: 3
31365 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt her: 4
31374 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt He: 3
31384 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt will: 3
31391 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt be: 3
31403 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt She: 7
31411 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt saw: 4
31428 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt him: 7
31436 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt here: 3
31451 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt in: 3
31456 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt eating: 4
31468 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt a: 14
31477 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt half: 3
31498 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt an: 3
31507 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt sandwich: 4
31516 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt She: 8
31521 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt hour: 3
31529 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt She: 9
31540 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt advised: 4
31549 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt advised: 5
31559 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt him: 8
31566 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt to: 8
31587 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt take: 4
31599 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt him: 9
31640 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt to: 9
31642 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt take: 5
31649 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt a: 15
31658 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt long: 4
31665 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt a: 16
31675 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt long: 5
31683 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt holiday: 4
31697 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt so: 4
31701 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt holiday: 5
31713 [Thread-29] INFO backtype.storm.task.ShellBolt - ShellLog pid:8387, name:tweetcounter-bolt so: 5
```