Maura Cullen
W205 – 3 Summer Term
2017/7/17
Lab 6 Submission

Topology file: tweetcount.clj

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

(defn tweetcount [options]
  [
   ;; spout configuration
   {"sentences-spout" (python-spout-spec
      options
      "spouts.sentences.Sentences"
      ["sentence"]
      )
   }
   ;; Bolts
   {
      ;; bolt configuration 1
      "parse-bolt" (python-bolt-spec
       options
       {"sentences-spout" :shuffle}
       "bolts.parse.ParseTweet"
       ["aword"]
       :p 2
       )

      ;; bolt configuration 2
      "tweetcounter-bolt" (python-bolt-spec
       options
       {"parse-bolt" :all}
       "bolts.tweetcounter.TweetCounter"
       ["word","counts"]
       )
   }
  ]
)
```

Screenshot of topology

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

(defn tweetcount [options]
  [
    ;; spout configuration
    {"sentences-spout" (python-spout-spec
        options
        "spouts.sentences.Sentences"
        ["sentence"]
        )
    }
    ;; Bolts
    {
        ;; bolt configuration 1
        "parse-bolt" (python-bolt-spec
          options
          {"sentences-spout" :shuffle}
          "bolts.parse.ParseTweet"
          ["aword"]
          :p 2
          )

        ;; bolt configuration 2
        "tweetcounter-bolt" (python-bolt-spec
          options
          {"parse-bolt" :all}
          "bolts.tweetcounter.TweetCounter"
          ["word","counts"]
          )
    }
  ]
)

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"tweetcount.clj" 35L, 685C
```

Screenshot of Running Tweetcount

```
1. w205@ip-172-31-0-88:~/tweetcount (ssh)

14738 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt in: 7
14750 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt half: 7
14752 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt an: 7
14757 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt hour: 7
14779 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt She: 21
14797 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt advised: 12
14815 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt him: 21
14818 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt to: 17
14832 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt take: 12
14833 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt a: 37
14862 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt long: 12
14864 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt holiday: 12
14865 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt so: 12
14867 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt he: 12
14868 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt immediately: 12
14869 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt quit: 12
14894 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt work: 12
14897 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt and: 12
14915 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt took: 12
14935 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt a: 38
14938 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt trip: 12
14959 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt around: 12
14966 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt the: 12
14974 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt world: 12
14980 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt He: 8
14985 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt will: 8
14994 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt be: 8
15006 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt here: 8
15017 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt in: 8
15028 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt half: 8
15041 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt an: 8
15055 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt hour: 8
15068 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt She: 22
15080 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt advised: 13
15092 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt him: 22
15101 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt to: 18
15109 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt take: 13
15117 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt a: 39
15126 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt long: 13
15135 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt holiday: 13
15146 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt so: 13
15154 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt he: 13
15162 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt immediately: 13
15172 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt quit: 13
15179 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt work: 13
15186 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt and: 13
15194 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt took: 13
15202 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt a: 40
15212 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt trip: 13
15221 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt around: 13
15228 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt the: 13
15234 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt world: 13
15244 [Thread-31] INFO  backtype.storm.task.ShellBolt - ShellLog pid:6340, name:tweetcounter-bolt He: 9
```