

;; Natarajan Shankar : Lab 6, W205, Fall 2016

```
(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
      )
    }
  ]
)
```

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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
19010 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 1
19011 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt to: 1
19038 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt take: 1
19048 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 1
19049 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt long: 1
19051 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt holiday: 1
19069 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt so: 1
19073 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt he: 1
19087 [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
19114 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt work: 1
19115 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt and: 1
19124 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt took: 1
19216 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt He: 1
19217 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt will: 1
19410 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt be: 1
19412 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt here: 1
19413 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt in: 1
19431 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt half: 1
19434 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt an: 1
19435 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt hour: 1
19436 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 2
19437 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt saw: 1
19449 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt him: 2
19534 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt eating: 1
19535 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt a: 2
19550 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt trip: 1
19551 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt around: 1
19555 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt the: 1
19556 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt world: 1
19664 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt She: 3
19890 [Thread-27] INFO backtype.storm.task.ShellBolt - ShellLog pid:14907, name:word-bolt advised: 2
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19964	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	him: 3
19964	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	to: 2
19968	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	take: 2
19971	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	a: 3
19996	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	a: 4
20013	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	sandwich: 1
20015	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	He: 2
20018	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	will: 2
20053	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	long: 2
20053	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	holiday: 2
20054	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	so: 2
20072	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	he: 2
20073	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	immediately: 2
20074	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	quit: 2
20075	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	work: 2
20089	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	and: 2
20090	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	took: 2
20091	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	a: 5
20091	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	trip: 2
20092	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	around: 2
20093	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	the: 2
20111	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	world: 2
20111	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	She: 4
20112	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	saw: 2
20113	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	him: 4
20116	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	eating: 2
20116	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	a: 6
20225	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	sandwich: 2
20226	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	She: 5
20227	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	be: 2
20230	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	here: 2
20231	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	in: 2
20231	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	half: 2
20232	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	an: 2
20250	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	hour: 2
20251	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	He: 3
20251	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	will: 3
20252	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	advised: 3
20253	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	be: 3
20273	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	here: 3
20274	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	in: 3
20274	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	him: 5
20275	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	to: 3
20276	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	take: 3
20302	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	a: 7
20303	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	long: 3
20421	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	holiday: 3
20588	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	so: 3
20608	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	he: 3
20609	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- ShellLog	pid:14907,	name:word-bolt	immediately: 3
20609	[Thread-27]	INFO	backtype.storm.task.ShellBolt	- Shell			

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