```
FINISHED ▷ 光 圓 ��
 import org.apache.spark.streaming._
 import org.apache.spark.streaming.twitter._
 import org.apache.spark.storage.StorageLevel
 import scala.io.Source
 import scala.collection.mutable.HashMap
 import java.io.File
 import org.apache.log4j.Logger
 import org.apache.log4j.Level
 import sys.process.stringSeqToProcess
import org.apache.spark.streaming._
import org.apache.spark.streaming.twitter._
import org.apache.spark.storage.StorageLevel
import scala.io.Source
import scala.collection.mutable.HashMap
import java.io.File
import org.apache.log4j.Logger
import org.apache.log4j.Level
import sys.process.stringSeqToProcess
Took 21 sec. Last updated by anonymous at January 26 2017, 7:44:32 PM.
```

```
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 /** Configures the Oauth Credentials for accessing Twitter */
 def configureTwitterCredentials(apiKey: String, apiSecret: String, accessToken: String, access
   val configs = new HashMap[String, String] ++= Seq(
     "apiKey" -> apiKey, "apiSecret" -> apiSecret, "accessToken" -> accessToken, "accessTokenSe
   println("Configuring Twitter OAuth")
   configs.foreach{ case(key, value) =>
     if (value.trim.isEmpty) {
       throw new Exception("Error setting authentication - value for " + key + " not set")
     val fullKey = "twitter4j.oauth." + key.replace("api", "consumer")
     System.setProperty(fullKey, value.trim)
     println("\tProperty " + fullKey + " set as [" + value.trim + "]")
   }
   println()
 }
configureTwitterCredentials: (apiKey: String, apiSecret: String, accessToken: String, accessTo
kenSecret: String)Unit
Took 21 sec. Last updated by anonymous at January 26 2017, 7:44:33 PM.
```

```
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// Configure Twitter credentials
val apiKey = "fVoraNUIkkFD99P5WTQvZ2cMG"
val apiSecret = "AsbRE74j50CwL0gcuD4G1jz6SyxzugfZaw30IjLpUkYD2YZYYa"
```

```
localhost:8080/#/notebook/2C6JECAC6
val accessToken = "165191807-qLdy7lrUMZCmQYIqudIoUkyORmtmCBiEJ2ERNtm5"
val accessTokenSecret = "NTaCS3lb1PTqDsPiQ7zRw624ZqSVbfutv5RCCJIqMdwun"
configureTwitterCredentials(apiKey, apiSecret, accessToken, accessTokenSecret)
apiKey: String = fVoraNUIkkFD99P5WTQvZ2cMG
apiSecret: String = AsbRE74j50CwL0gcuD4G1jz6SyxzugfZaw30IjLpUkYD2YZYYa
accessToken: String = 165191807-qLdy7lrUMZCmQYIqudIoUkyORmtmCBiEJ2ERNtm5
accessTokenSecret: String = NTaCS3lb1PTgDsPiQ7zRw624ZgSVbfutv5RCCJIgMdwun
Configuring Twitter OAuth
        Property twitter4j.oauth.consumerKey set as [fVoraNUIkkFD99P5WTQvZ2cMG]
        Property twitter4j.oauth.accessToken set as [165191807-qLdy7lrUMZCmQYIqudIoUky0RmtmCBi
EJ2ERNtm57
```

Property twitter4j.oauth.consumerSecret set as [AsbRE74j50CwL0gcuD4G1jz6SyxzugfZaw30Ij LpUkYD2YZYYa7

Property twitter4j.oauth.accessTokenSecret set as [NTaCS3lb1PTqDsPi07zRw624ZqSVbfutv5R CCJIgMdwun]

Took 3 sec. Last updated by anonymous at January 26 2017, 7:44:35 PM.

```
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 import org.apache.spark.{ SparkConf, SparkContext}
 import org.apache.spark.streaming._
 import org.apache.spark.streaming.twitter._
 import org.apache.spark.SparkContext._
import org.apache.spark.{SparkConf, SparkContext}
import org.apache.spark.streaming._
import org.apache.spark.streaming.twitter._
import org.apache.spark.SparkContext._
Took 3 sec. Last updated by anonymous at January 26 2017, 7:44:37 PM.
```

```
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val ssc = new StreamingContext(sc, Seconds(2))
val tweets = TwitterUtils.createStream(ssc, None)
val twt = tweets.window(Seconds(10))
ssc: org.apache.spark.streaming.StreamingContext = org.apache.spark.streaming.StreamingContext
@711b9e91
tweets: org.apache.spark.streaming.dstream.ReceiverInputDStream[twitter4j.Status] = org.apach
e.spark.streaming.twitter.TwitterInputDStream@57546f92
twt: org.apache.spark.streaming.dstream.DStream[twitter4j.Status] = org.apache.spark.streamin
q.dstream.WindowedDStream@204b2af1
Took 3 sec. Last updated by anonymous at January 26 2017, 7:44:39 PM.
```

```
FINISHED ▷ ※ 圓 �
case class Tweet(createdAt:Long, text:String)
 val tweet = twt.map(status=>
   Tweet(status.getCreatedAt().getTime()/1000, status.getText())
)
defined class Tweet
tweet: org.apache.spark.streaming.dstream.DStream[Tweet] = org.apache.spark.streaming.dstream.
MappedDStream@7b100480
Took 4 sec. Last updated by anonymous at January 26 2017, 7:44:42 PM.
```

val sqlContext= new org.apache.spark.sql.SQLContext(sc)
import sqlContext.implicits._

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warning: there was one deprecation warning; re-run with -deprecation for details sqlContext: org.apache.spark.sql.SQLContext = org.apache.spark.sql.SQLContext@4ec91a3d import sqlContext.implicits._

Took 4 sec. Last updated by anonymous at January 26 2017, 7:44:44 PM.

tweet.foreachRDD(rdd=>rdd.toDF.registerTempTable("tweets"))

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warning: there was one deprecation warning; re-run with -deprecation for details

Took 4 sec. Last updated by anonymous at January 26 2017, 7:44:46 PM.

twt.print

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Took 2 sec. Last updated by anonymous at January 26 2017, 7:44:47 PM.

ssc.start()

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Time: 1485477888000 ms

T: 440547700000

Time: 1485477890000 ms

Time: 1485477892000 ms

StatusJSONImpl{createdAt=Thu Jan 26 19:44:49 EST 2017, id=824780164961677312, text='キートンの決死隊(Doughboys) https://t.co/tbLg5CDzWq', source='twittbot.net', isTruncated=false, inReplyToStatusId=-1, inReplyToUserId=-1, isFavorited =false, isRetweeted=false, favoriteCount=0, inReplyToScreenName='null', geoLocation=null, plac e=null, retweetCount=0, isPossiblySensitive=false, lang='ja', contributorsIDs=[], retweetedStatus=null, userMentionEntities=[], urlEntities=[], hashtagEntities=[], mediaEntities=[MediaEntityJSONImpl{id=509727447827226624, url=https://t.co/tbLg5CDzWq, mediaURL=http://pbs.twimg.com/media/BxLqacQCIAAoLjJ.jpg, mediaURLHttps=https://pbs.twimg.com/media/BxLqacQCIAAoLjJ.jpg, expandedURL=http://twitter.com/busternic.bot/status/500727450075360474/pboto/1 displayURL='pic.twi

Took 2 sec. Last updated by anonymous at January 26 2017, 7:44:48 PM.

%sql select * from tweets where text like '%girl%' limit 10

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text
#hostel girls sex young
@confusinggirl_ já a ger
RT @hotukgirls3006: Th
video emo boy to girl tra

Took 0 sec. Last updated by anonymous at January 26 2017, 7:46:14 PM. (outdated)

%sql select createdAt, count(1) from tweets group by createdAt order by createdAt ○ 端 ⑬ ⑫



createdAt	count(1)
1,485,477,985	1
1,485,477,986	28
1,485,477,987	42
1,485,477,988	39
1,485,477,989	44
1,485,477,990	34
1,485,477,991	42
1,485,477,992	44
1.485.477.993	39
Took 3 sec. Last updated by anonymous at January 26 2017, 7:46:41 PM.	

```
def sentiment(s:String) : String = {
	val positive = Array("like", "love", "good", "great", "happy", "cool", "the", "one", "thatval negative = Array("hate", "bad", "stupid", "is")
```

var st = 0;

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if(p==w) st = st+1









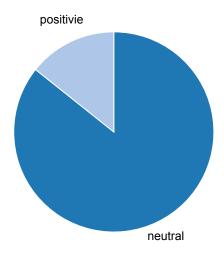


```
negative.foreach(p=>
         words.foreach(w=>
              if(p==w) st = st-1
     if(st>0)
          "positivie"
     else if(st<0)
         "negative"
     else
          "neutral"
 }
 // Below line works only in spark 1.3.0.
 // For spark 1.1.x and spark 1.2.x,
 // use sqlc.registerFunction("sentiment", sentiment _) instead.
sentiment: (s: String)String
res15: org.apache.spark.sql.expressions.UserDefinedFunction = UserDefinedFunction(<function1>,
StringType,Some(List(StringType)))
Took 2 sec. Last updated by anonymous at January 26 2017, 7:48:01 PM.
```

%sql select sentiment(text), count(1) from tweets where text like '%girl%' FUNSHED Sentiment(€)







Took 1 sec. Last updated by anonymous at January 26 2017, 7:49:11 PM. (outdated)

READY ▷ ♯ 圓 ��

