

workspace - scalaproject/src/com/TwitterStream.scala - Scala IDE

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Project Explorer

- scalaproject
 - Scala Library container [2.12.3]
 - JRE System Library [JavaSE-1.8]
 - src
 - com
 - TwitterStream.scala
 - Referenced Libraries
 - twitter4j-async-4.0.7.jar - C:\Users\Batman\I
 - twitter4j-core-4.0.7.jar - C:\Users\Batman\I
 - twitter4j-examples-4.0.7.jar - C:\Users\Batman\I
 - twitter4j-stream-4.0.7.jar - C:\Users\Batman\I

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package com
import twitter4j._

object SearchStreamer {
  def main(args: Array[String]) {
    val twitterStream = new TwitterStreamFactory(Util.config).getInstance
    twitterStream.addListener(Util.simpleStatusListener)
    twitterStream.filter(new FilterQuery().track("Elon"))
    Thread.sleep(4000)
    twitterStream.cleanUp()
    twitterStream.shutdown()
  }
}

object Util {
  def simpleStatusListener = new StatusListener() {
    def onStatus(status: Status) { println(status.getText) }
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  val config = new twitter4j.conf.ConfigurationBuilder()
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    .setOAuthAccessTokenSecret("uVBPfPspuo6tk565i1E28MvpMojf36uB026vzclbLVYXs")
    .build
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Problems Tasks Console

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Group E

Data Technology Solutions

Anirudh Siddula
Bibek Shah Shankar
Davinderjit Singh
Kamaldeep Kaur Dhama
Kirandeep Kaur

Description:

We are using twitter4j API using eclipse scala IDE to connect to twitter.

Twitter jars have been added as external libraries as highlighted

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Description:

1. **twitter4j** library is imported.
2. **Created ConfigurationBuilder()** object to connect to twitter with consumerKey, ConsumerSecret, AuthAccessToken and AuthAccessTokenSecret generated from twitter developer account
3. **Initialized TwitterStreamFactory** with config created to login twitter.

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Description:

1. Calling simpleStatusListener function to generate
StatusListener object with the functions defined inside which
produces the output in console If the tweet is original tweet
or a Retweet, exception handling etc.,

2. We are filtering the holy grail of tweets being streamed with
a FilterQuery object and tracking the filter work we are looking
for. In our case the filter keyword is "Elon"

3. The code runs for 4 seconds after which the
TwitterStreamFactory objects get retired of the session.
```


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Description:

The output is shown in console window, Each tweet contains the keyword "Elon" as given in the filter condition of the tweet

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