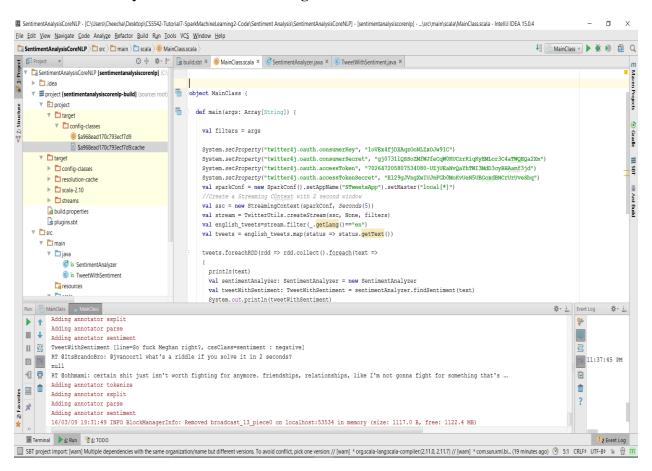
## CS5542 Big Data Apps and Analytics LAB ASSIGNMENT #7

-Nihar Dudam (6) Sricharan Pamuru(20)

1. Sentimental Analysis on Twitter Streaming:



In this part of Assignment, we are streaming tweets from Twitter and running sentimental analysis on the tweets.

## 2. TV series recommendation to the user

```
RMSE (validation) = 2.0 for the model trained with rank = 12, lambda = 10.0, and numIter = 20.
The best model was trained with rank = 8 and lambda = 10.0, and numIter = 10, and its RMSE on the test set is 2.806243040080456.
   The best model improves the baseline by -151.15%.
Movies recommended for you:
1: Modern Family
    2: Oz
    3: Agents of S.H.I.E.L.D
4: The Sopranos
    5: Louie
    6: The X-Files
    7: 24:action|drama|adventure
    8: The Vampire Diaries
    9: Sons of Anarchy
   10: Flashforward
    11: How I Met Your Mother
   12: Homeland
   13: Rescue Me
   14: Grey's Anatomy:drama
    15: The Big Bang Theory
   16: The Simpsons
   17: Supernatural
   18: Two and Half Men
   16/03/09 23:51:24 INFO RemoteActorRefProvider$RemotingTerminator: Shutting down remote daemon.
   16/03/09 23:51:24 INFO RemoteActorRefProvider$RemotingTerminator: Remote daemon shut down; proceeding with flushing remote transports.
    Process finished with exit code 0
```

In this part of assignment, data regarding TV series is collected using streaming Twitter data and manually edited data to recommend the popular TV series to the user.

3. The above TV Series is displayed in mobile phone.

