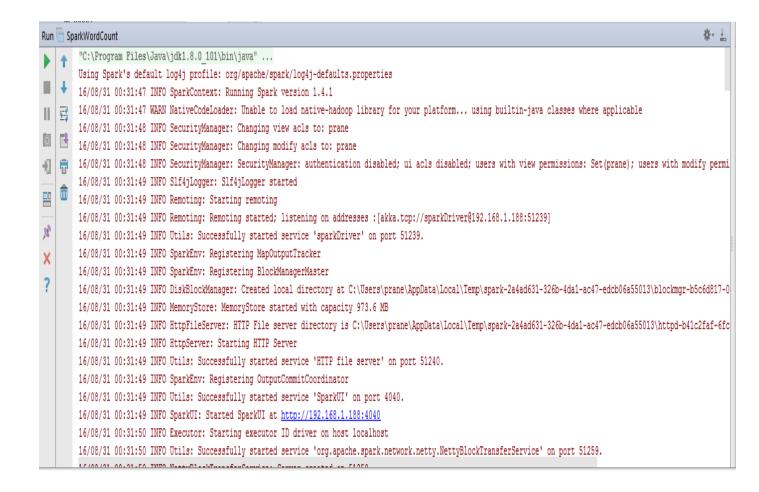
Real Time Big Data Analytics Lab Assignment-1

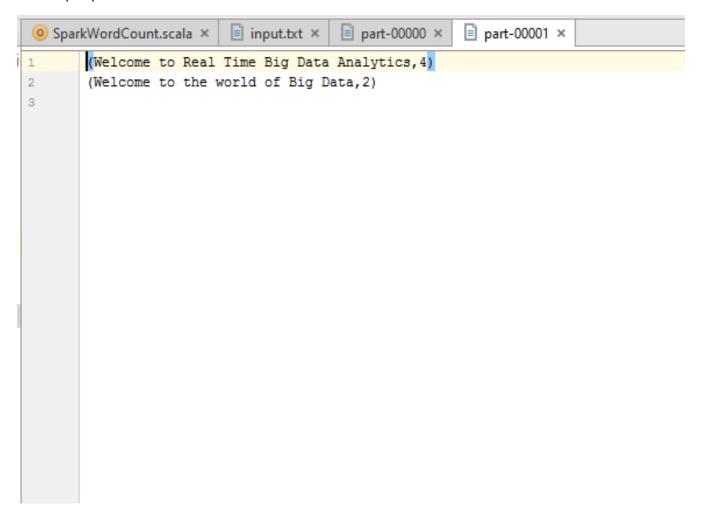
- In this lab we are going to count sentences from a given input file and display them in a sorted order.
- The program for accomplishing the above has been written in scala using IntelliJ IDEA
- The below screenshot shows the running of the program.



- The input file for the sentence count is as below
- The input is a paragraph with multiple similar sentences.

Welcome to the world of Big Data. Hi How are you. Welcome to Real Time Big Data Analytics. I am good, fine thank you. Welcome to Real Time Big Data Analytics. Hi How are you. Hi How are you. Hi How are you. Welcome to Real Time Big Data Analytics. I am good, fine thank you. Welcome to Real Time Big Data Analytics. Scala is good and we all know it. Don't let me down. Welcome to the world of Big Data

- Once the program is run Spark generates two output part files.
- You can see the key value pair as below with the key being the sentence and value being the number of occurrences of the sentence.
- Also the sentences are sorted by the key.
- Output part file-1



• Output part file-2

```
input.txt × part-00000 × part-00001 ×

    SparkWordCount.scala ×

       (Don't let me down,2)
1
       (Hi How are you, 5)
2
       (I am good, fine thank you, 2)
3
       (Scala is good and we all know it,1)
4
5
```