

Assignment 13 Scala  
31418  
K4

Run server and give input text:

```
te@sel-a1-216-22:~$ nc -lk 9999
hello world
spark is great
hello spark
```

Run spark-shell

```
Welcome to
 _ _ _ _ _
/ _ _ _ \   version 3.5.5
 \_ _ _ /

Using Scala version 2.12.18 (OpenJDK 64-Bit Server VM, Java 1.8.0_422)
Type in expressions to have them evaluated.
Type :help for more information.

scala> te@sel-a1-216-22:~/spark/bin$ ./spark-shell -i /home/te/wordCount.scala
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
25/04/15 09:55:23 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Spark context Web UI available at http://sel-a1-216-22:4040
Spark context available as 'sc' (master = local[*], app id = local-1744691123860).
Spark session available as 'spark'.
25/04/15 09:55:25 WARN SparkSession: Using an existing Spark session; only runtime SQL configurations will take effect.
25/04/15 09:55:25 WARN TextSocketSourceProvider: The socket source should not be used for production applications! It does not support recovery.
```

Run program:

```
-----
Batch: 0
-----
+-----+-----+
|value|count|
+-----+-----+
+-----+-----+

-----
Batch: 1
-----
+-----+-----+
|value|count|
+-----+-----+
|hello|    1|
|great|    1|
|  is|    1|
|spark|    1|
|world|    1|
+-----+-----+

-----
Batch: 2
-----
+-----+-----+
|value|count|
```

```
-----
Batch: 1
-----
+-----+-----+
|value|count|
+-----+-----+
|hello|    1|
|great|    1|
|  is|    1|
|spark|    1|
|world|    1|
+-----+-----+

-----
Batch: 2
-----
+-----+-----+
|value|count|
+-----+-----+
|hello|    2|
|great|    1|
|  is|    1|
|spark|    2|
|world|    1|
+-----+-----+
```