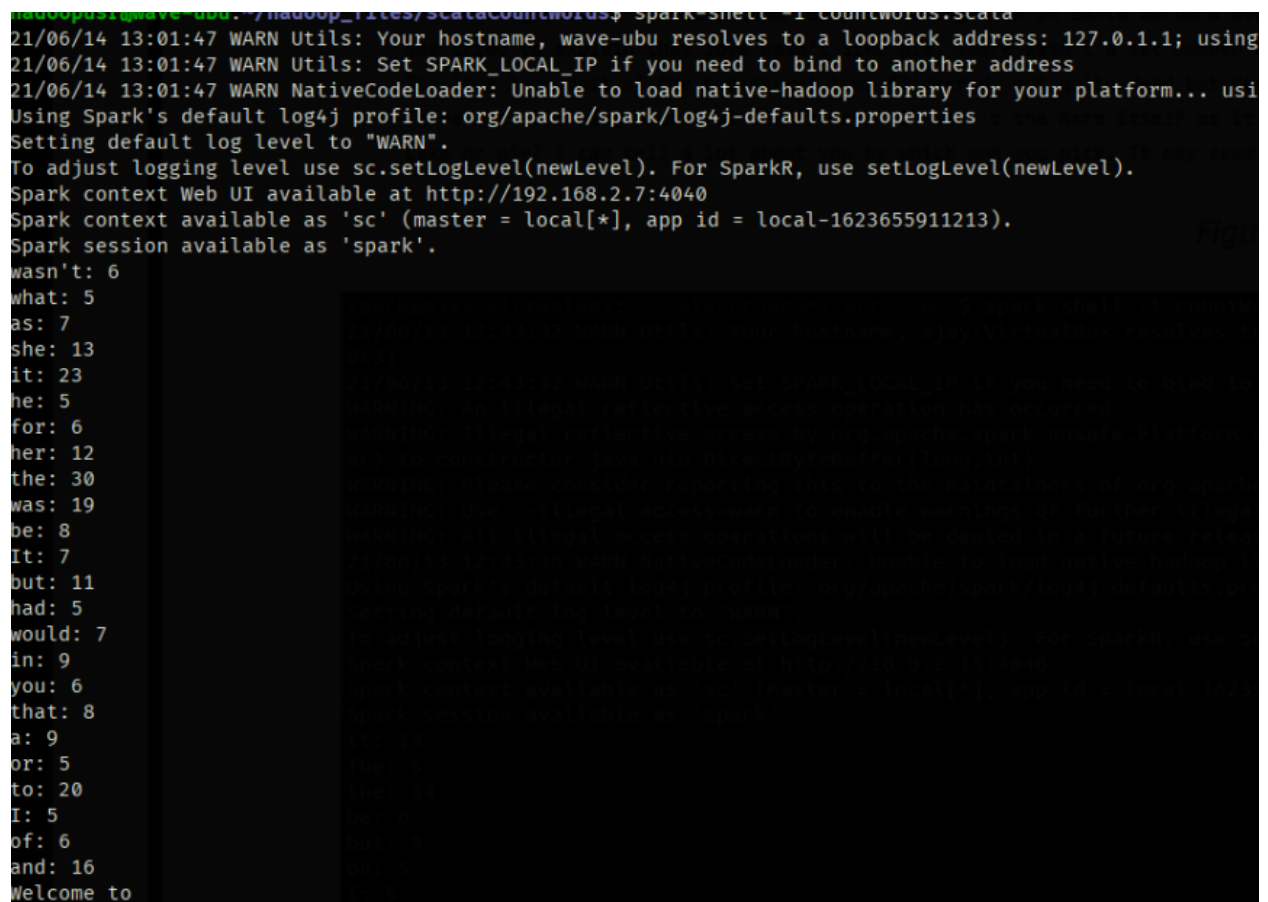


Program to print word count on scala shell and print “Hello world” on scala IDE

```
scala> println("Hello World!");  
Hello World!
```

```
val data=sc.textFile("sparkdata.txt")  
data.collect;  
val splitdata = data.flatMap(line => line.split(" "));  
splitdata.collect;  
val mapdata = splitdata.map(word => (word,1));  
mapdata.collect;  
val reducedata = mapdata.reduceByKey(_+_);  
reducedata.collect;
```



The screenshot shows a terminal window with the following content:

```
21/06/14 13:01:47 WARN Utils: Your hostname, wave-ubu resolves to a loopback address: 127.0.1.1; using  
21/06/14 13:01:47 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address  
21/06/14 13:01:47 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... usi  
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties  
Setting default log level to "WARN".  
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).  
Spark context Web UI available at http://192.168.2.7:4040  
Spark context available as 'sc' (master = local[*], app id = local-1623655911213).  
Spark session available as 'spark'.  
wasn't: 6  
what: 5  
as: 7  
she: 13  
it: 23  
he: 5  
for: 6  
her: 12  
the: 30  
was: 19  
be: 8  
It: 7  
but: 11  
had: 5  
would: 7  
in: 9  
you: 6  
that: 8  
a: 9  
or: 5  
to: 20  
I: 5  
of: 6  
and: 16  
Welcome to
```

Using RDD and Flat Map count how many times each word appears in a file and write out a list of words whose count is strictly greater than n using Spark

```
scala> val textfile = sc.textFile("/home/sam/Desktop/abc.txt")
textfile: org.apache.spark.rdd.RDD[String] = /home/sam/Desktop/abc.txt MapPartitionsRDD[8] at textFile at <console>:25

scala> val counts = textfile.flatMap(line => line.split(" ")).map(word => (word,1)).reduceByKey(_+_ )
counts: org.apache.spark.rdd.RDD[(String, Int)] = ShuffledRDD[11] at reduceByKey at <console>:26

scala> import scala.collection.immutable.ListMap
import scala.collection.immutable.ListMap

scala> val sorted = ListMap(counts.collect.sortWith(_. _2>_. _2):_*)
sorted: scala.collection.immutable.ListMap[String,Int] = ListMap(hello -> 3, apple -> 2, unicorn -> 1, world -> 1)

scala> println(sorted)
ListMap(hello -> 3, apple -> 2, unicorn -> 1, world -> 1)
```