```
root@student: /home/student/DSBDAL
                                                                                                                                                                                                                                                                                                 Q = - m x
 24/04/17 15:28:00 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address

Setting default log level to "WARN".

To adjust logging level use sc.setiogLevel(newLevel). For SparkR, use setLogLevel(newLevel).

24/04/17 15:28:07 WARN NativecodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Spark context Web UI available at http://10.11.5.92:4040

Spark session available as 'sc' (master = local[*], app id = local-1713347889284).

Welcome to
       Using Scala version 2.12.15 (OpenJDK 64-Bit Server VM, Java 11.0.22)
Type in expressions to have them evaluated.
Type :help for more information.
   scala> val inputfile = sc.textFile("wordcount.txt")
Inputfile: org.apache.spark.rdd.RDD[String] = wordcount.txt MapPartitionsRDD[1] at textFile at <console>:23
    cala> val counts = inputfile.flatMap(line => line.split(" ")).map(word => (word, 1)).reduceByKey(_+_);
ounts: org.apache.spark.rdd.RDD[(String, Int)] = ShuffledRDD[4] at reduceByKey at <console>:23
 reso: String =

(2) ShuffledRDD[4] at reduceByKey at <console>:23 []
+-(2) MapPartitionsRDD[3] at map at <console>:23 []
| MapPartitionsRDD[2] at flatMap at <console>:23 []
| wordcount.txt MapPartitionsRDD[1] at textFile at <console>:23 []
| wordcount.txt HadoopRDD[0] at textFile at <console>:23 []
    cala> counts.cache()
es1: counts.type = ShuffledRDD[4] at reduceByKey at <console>:23
   cala> counts.saveAsTextFile("wordcount_output")
    cala>
                                                                                                                   root@student: /home/student/DSBDAL/wordcount_output
                                                                                                                                                                                                                                                                                                Q = - 0 x
 root@student:/home/student/DSBDAL# cd wordcount_output
root@student:/home/student/DSBDAL/wordcount_output# cat part-00000
(capabilities,1)
(provides,1)
(is,3)
(API,1)
(its,1)
(can,1)
(Unofficial,1)
(Java,,1)
(can,1)
(Unofficial,1)
(Java,,1)
(Clojure,,1)
(as,1)
(This,1)
(multiple,1)
(cluster,1)
(form,1)
(any,1)
(Scala,,2)
(computing,1)
(Python,,1)
(application,3)
(R.,1)
root@student:/home/student/DSBDAL/wordcount_output# cat part-00001
(Spark,3)
(interface,1)
(languages,,1)
(it,1)
(languages,,1)
(ia,2)
(You,1)
(such,1)
(library,1)
(available,1)
(to,1)
(available,2)
(written,1)
(in,5)
(develop,1)
```

