**Word count analysis using RDD and FlatMap**

import org.apache.spark.sql.SparkSession

import org.apache.spark.rdd.RDD

object WordCount {

def main(args: Array[String]) {

val file = "Gettysburg-Address.txt"

val spark: SparkSession = SparkSession.builder

.appName("Word Count")

.config("spark.master", "local")

.getOrCreate()

val fileRdd: RDD[String] = spark.sparkContext.textFile(file)

// create the counts

val counts = fileRdd.map(\_.replaceAll("[.,]", ""))

.map(\_.replace("—", " "))

.flatMap(line => line.split(" "))

.map(word => (word, 1))

.reduceByKey(\_ + \_)

.sortBy(\_.\_2)

.collect

println( "------------------------------------------")

counts.foreach(println)

println( "------------------------------------------")

spark.stop()

}

}