1. Try word count program using dataframe

package org.itc.com  
import org.apache.spark.SparkConf  
import org.apache.spark.SparkContext  
import org.apache.spark.sql.SparkSession  
import org.apache.spark.sql.functions.\_  
import org.apache.spark.sql.types.\_  
  
object taskapr15 extends App{  
 val *spark* = SparkSession.*builder*()  
 .appName("ReadTextFile").master("local[1]")  
 .getOrCreate()  
 val *orderSchemaddl* = "text String"  
  
 val *textDF* = *spark*.read.option("header", "true").schema(*orderSchemaddl*)  
 .text("D:\\spark\_code\\sparkdemo\\input\\data.txt")  
 *textDF*.show(5)  
  
 val *resultDF* = *textDF* .withColumn("word", *explode*(*split*(*lower*(*col*("text")), " ")))  
 .groupBy("word")  
 .count()  
 .orderBy(("count"))  
  
 *resultDF*.coalesce(1).write.csv("D:\\spark\_code\\sparkdemo\\output\\data")  
}

**Input:**



**Output:**