Exercise 04: Word Count using Pig Grouping

Here, we will be running Apache Pig Sample scripts using grunts. It is to just see the power of Apache Pig.

Step 1A: Start Grunt shell.

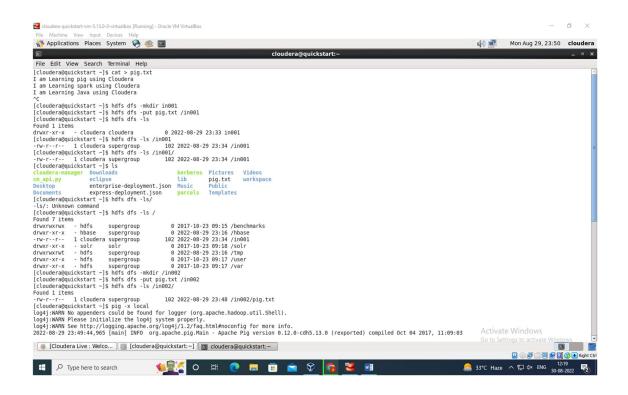
Open terminal and type pig

Step 1B: Create a file at /user/cloudera/pigfile.txt With following content.

Cat > pig.txt

Pig -x mapreduce

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I am learning Spark Using
cloudera I am learning Java
Using clouder



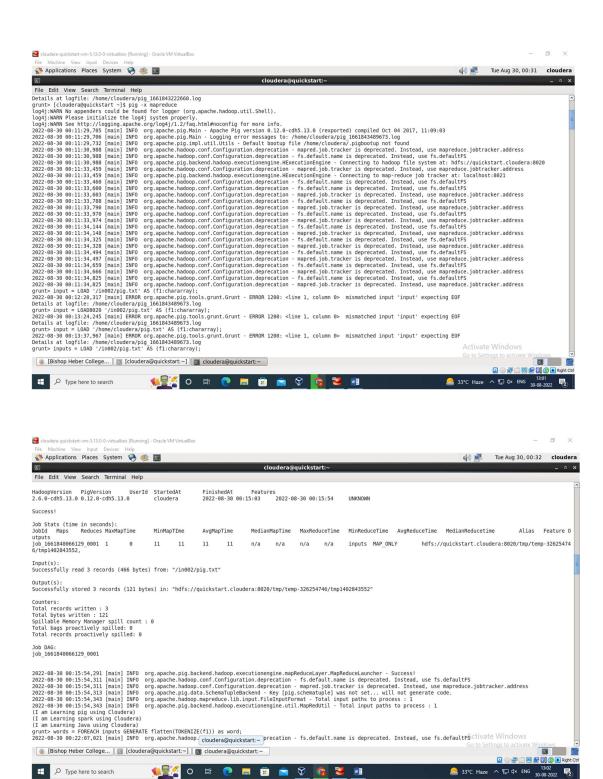
Step 2: Load the file stored in hdfs with variable 'in1' and each line have to store in 'line' (Space separated file)

Inputs = LOAD '/in002/pig.txt' AS (fl:chararray);

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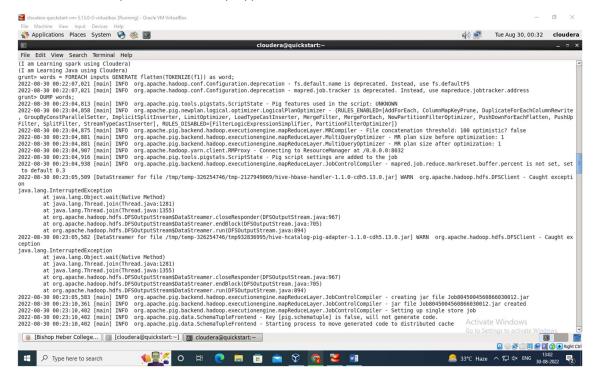
(I am learning Spark Using cloudera)

(I am learning Java Using cloudera)



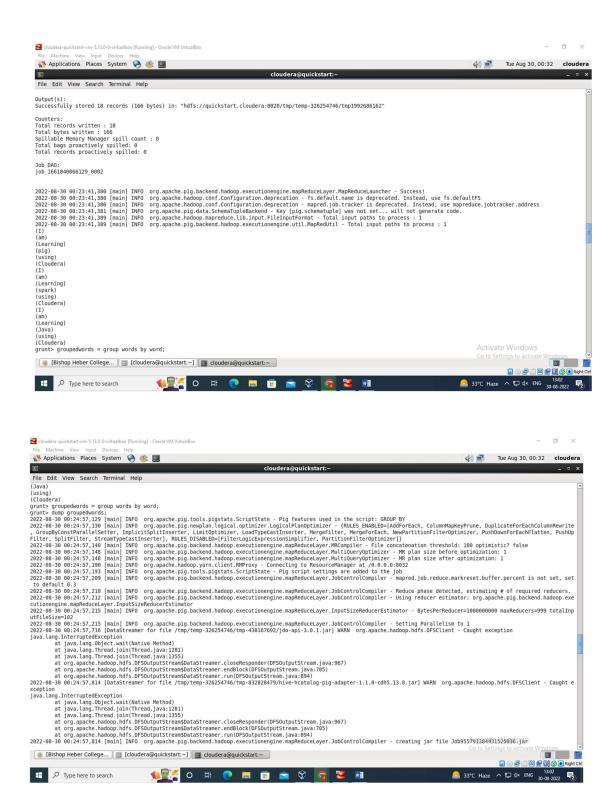
Step 3: flatten the words in each line from variable 'in1' and save separated words into variable 'wordsinline'

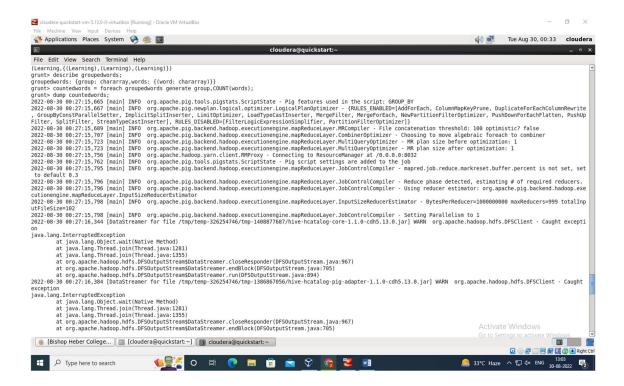
grunt>words= FOREACH inputs GENERATE flatten(TOKENIZE(f1)) as word;



Step 4: Group the similar words and save into variable 'groupwords'

grunt>groupwords = words by word;
grunt>dump groupwords;
grunt>describe groupwords;





Step 5: Count Words in the group.

grunt>countwords = foreach groupwords generate
group,COUNT(words);
grunt>DUMP countwords;

