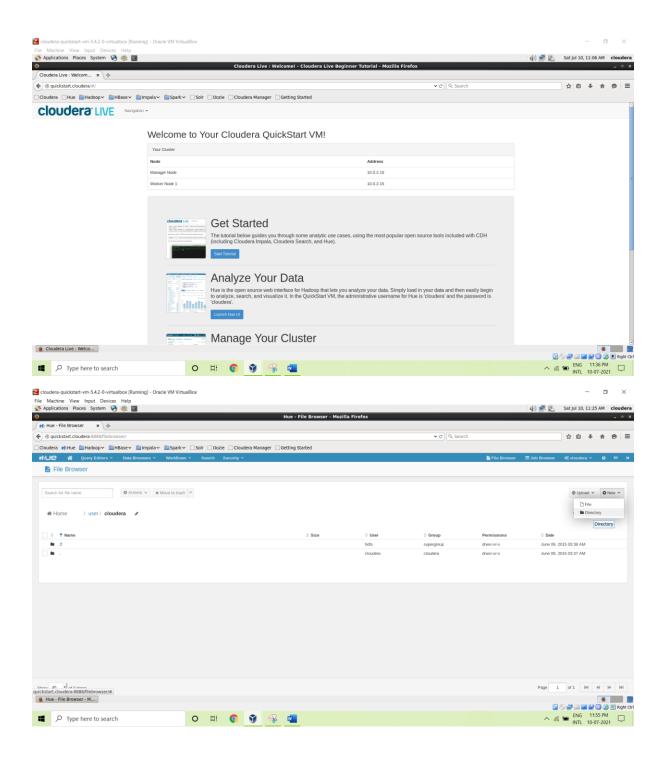
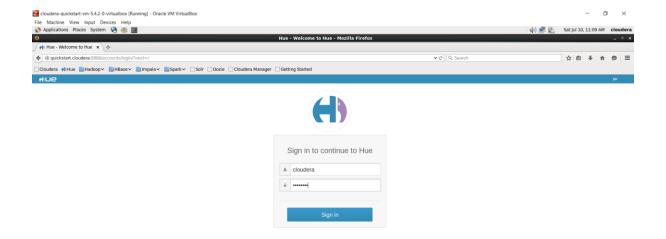
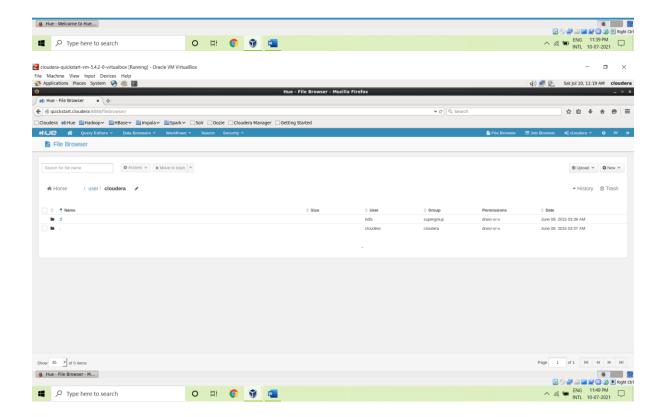
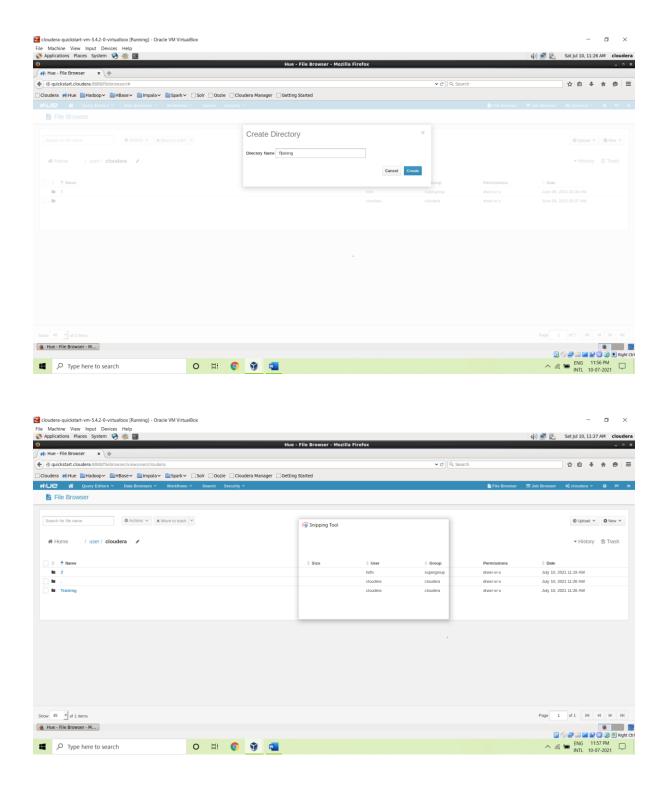
## **Experiment: 06**

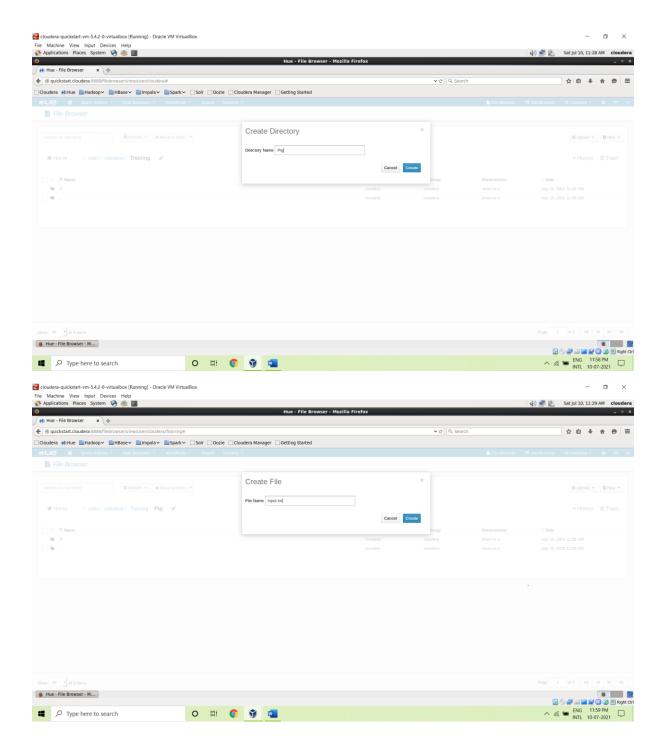
## Implement word count problem using pig

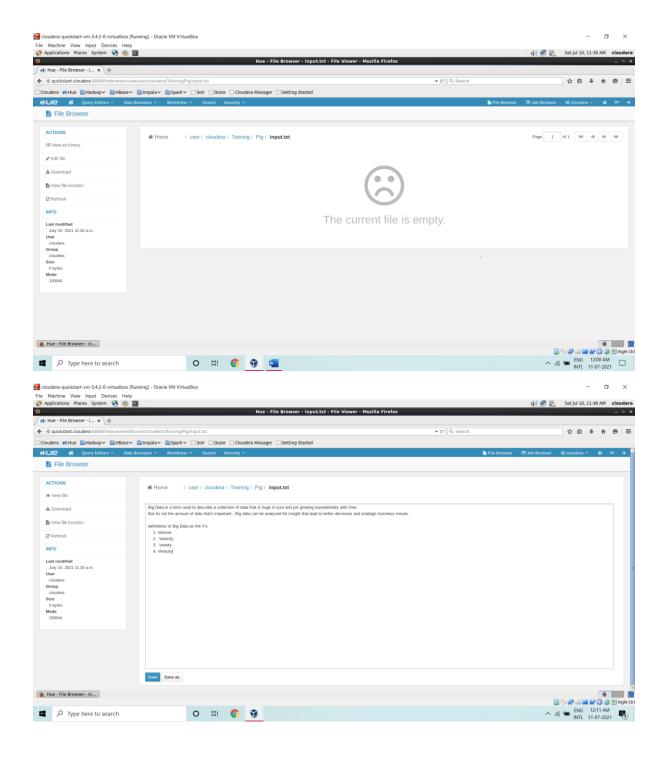


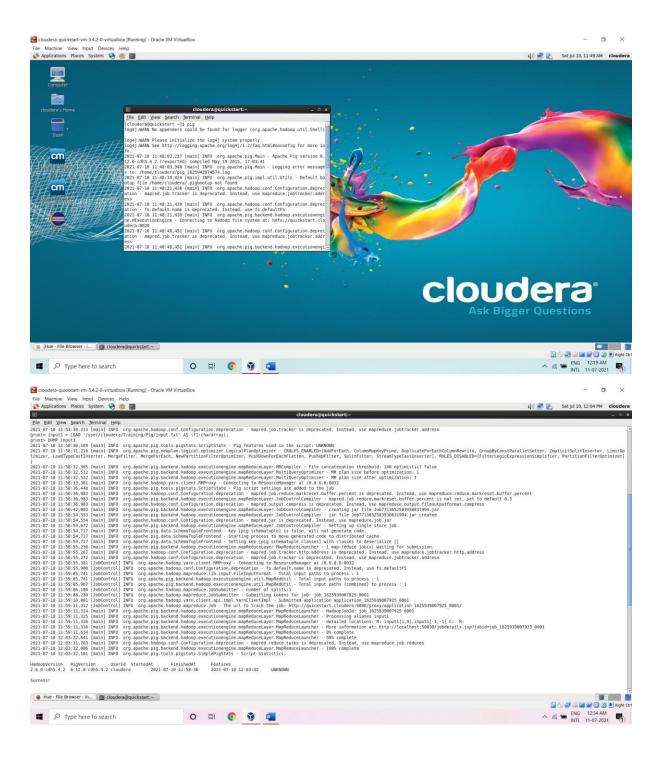




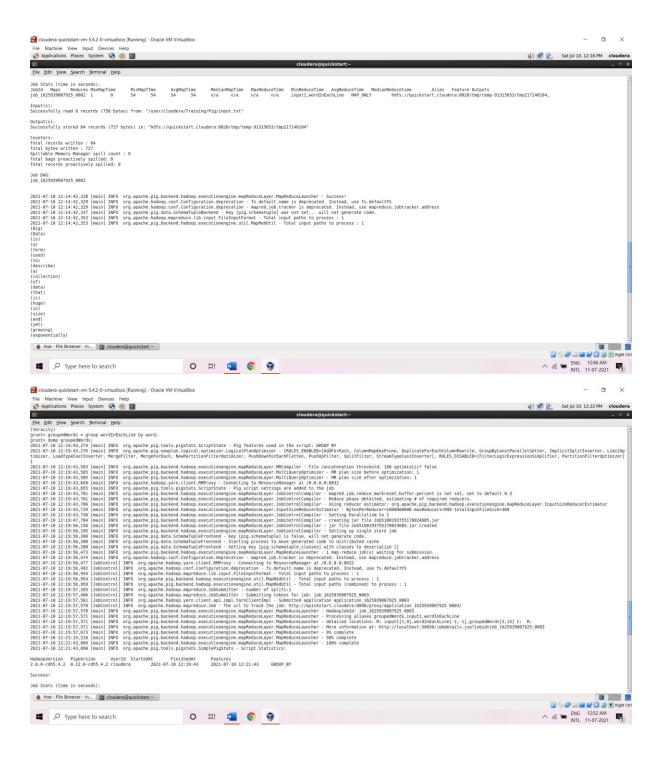








```
Job Stats (time in seconds):
JobId Maps Reduces MaxMapTime MinMapTime AvgMapTime MedianMapTime MaxReduceTime MaxReduceTime AvgReduceTime AvgReduceTime MedianReduceTime Alias Feature Outputs
job_L6259398097925_0801 1 0 70 70 70 70 n/a n/a n/a inputl MAP_ONLY hdfs://quickstart.cloudera:8020/tmp/temp-91313653/tmp-1510987010,
   Input(s):
Successfully read 8 records (756 bytes) from: "/user/cloudera/Training/Pig/input.txt"
   Output(s):
Successfully stored 8 records (416 bytes) in: "hdfs://quickstart.cloudera:8020/tmp/temp-91315653/tmp-1510987010"
Counters:
Total records written : 8
Total bytes written : 416
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0
   Job DAG:
job 1625939007925 0001
2021-07-10 12:03:32,310 [main] INFO org.apache.hadoop.comf.configuration.deprecation - fs. cafefult.mane is deprecated. Instead, use fs.default5
2021-07-10 12:03:32,449 [main] INFO org.apache.hadoop.comf.configuration.deprecation - fs.default.mane is deprecated. Instead, use fs.default5
2021-07-10 12:03:32,473 [main] INFO org.apache.hadoop.comf.configuration.deprecation - mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
2021-07-10 12:03:32,473 [main] INFO org.apache.pig.data.SchemaTupleBackend - Key [pig.schematuple] was not set... will not generate code.
2021-07-10 12:03:32,842 [main] INFO org.apache.hadoop.mapreduce.lib.jnput.FileInputFormat - Total input paths to process : 1
2021-07-10 12:03:32,842 [main] INFO org.apache.pig.data.data is huge in size and yet growing exponentially with time.)
10 org.apache.pig.data is size many size and yet growing exponentially with time.)
10 org.apache.pig.data can be manalyzed for insight that lead to better decisions and strategic business moves.)
   ()
(definitions of Big Data as the V's )
( 1. Volume)
( 2. Velocity)
( 3. Variety)
( 4. Veracity )
grunts |
 cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox
    File Machine View Input Devices Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       🙌 🏥 🦺 Sat Jul 10, 12:15 I
                                                                                                                                                                                                                                                                                                                                                                                                                                                          cloudera@guickstart:~
   [ 4. Veracity ) grunt> wordingschline = FGREACH inputl GEMERATE flatten(TOKENIZE(fl)) as word; grunt> wordingschline = FGREACH inputl GEMERATE flatten(TOKENIZE(fl)) as word; grunt> wordingschline = GREACH inputl GEMERATE flatten(TOKENIZE(fl)) as word; grunt> (GREACH inputl GEMERATE) as word; grant flatten(GREACH inputl GEMERATE) as word; grant flatten(
   grunt> dump wordInEachLine;
2021-07-10:12:12:25,531 [ani] IMFO org.apache.pig.tools.pigstats.ScriptState - Pig features used in the script: UMRNOWN
2021-07-10:12:12:25,531 [ani] IMFO org.apache.pig.neoplan.logical.optimizer.LogicalPlanOptimizer - (Addorreach, ColumnNapKeyPrune, DuplicateForEachColumnNewrite, GroupByConstParallelSetter, ImplicitSplitInsert
implications - (Addorreach, ColumnNapKeyPrune, DuplicateForEachColumnNewrite, GroupByConstParallelSetter, ImplicitSplitInsert
implications - (AddorreachColumnNewrite) - (Addorr
2221-07-10 12:12:26, 250 [main] INFO org., apache, pig., neemplan. Togical. optimizer. LogicalPlanoptimizer. - (MULES BMABLED-[AddrorEach, ColumnWapeyPorum, DuplicateForEachColumnWapeyForInterlet. (ProperforEach, NewTepFortEach, NewTepFor
 HadoopVersion PigVersion UserId StartedAt FinishedAt Features 2.6.0-cdh5.4.2 0.12.0-cdh5.4.2 cloudera 2021-07-10 12:12:26 2021-07-10 12:14:41 UNKNOWN
   Job Stats (time in seconds):
JobId Maps Reduces MaxMapTine HinMapTIne AvgMapTine MedianMapTine MaxReduceTime MinReduceTime AvgMeduceTime MedianReduceTime Alias Feature Outputs
job_1625939007925_0002 1 0 54 54 54 54 n/a n/a n/a n/a input1,wordInEachLine MAP_ONLY hdfs://quickstart.cloudera:8020/tmp/temp-91315653/tmp217140104,
   ^ @ ENG 1245
                                                                                                                                                                                                                                                                         O 🛱 🚾 👩 🞲
   ■ Ø Type here to search
```



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cloudera@quickstart:~
    <u>File Edit View Search Terminal Help</u>
       (3.,{(3.)})
      (4., \{(4.)\})
       (as,{(as)})
    (be,{(be)})
(in,{(in)})
      (is,{(is),(is)})
(of,{(of),(of),(of)})
(to,{(to),(to)})
       (Big, {(Big), (Big), (Big)})
      (But, {(But)})
(V's, {(V's)})
       (and, {(and), (and)})
      (can, {(can)})
(for, {(for)})
      (its,{(its)})
(not,{(not)})
       (the, {(the), (the)})
       (vet, {(vet)})
       (Data, {(Data), (Data)})
      (data,{(data),(data),(data)})
(huge,{(huge)})
      (lead, {(lead)})
(size, {(size)})
(term, {(term)})
      (that,{(that),(that)})
(used,{(used)})
       (with, {(with)})
      (time.,{(time.)})
(Volume,{(Volume)})
      (amount, {(amount)})
(better, {(better)})
       (moves.,{(moves.)})
    (moves.,{(moves.)})
(that's,{(that's)})
(Variety,{(Variety)})
(growing,{(growing)})
(insight,{(insight)})
    (Insignt, {(Insignt)})
(Velocity, {(Velocity)})
(Veracity, {(Veracity)})
(analyzed, {(analyzed)})
(business, {(business)})
(describe, {(describe)})
       (decisions, {(decisions)})
      (important, {(important)})
(strategic, {(strategic)})
       (collection, {(collection)})
    (definitions, {(definitions)})
(exponentially, {(exponentially)})
  (,{()})
grunt> ■
   Cloudera-quickstart-vm-5.4.2-0-virtualbox [Running] - Oracle VM VirtualBox
       File Machine View Input Devices Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    d) 🚅 🖺
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   [Sile Edit View Search Terminal Help

(exponentially,{(exponentially)}
(.{(I)}
| 1922-97-10 12:25:44, 760 Banks | 1MFO org. apache.pig.meepign.legical.optimizer.cogicalPlanoptimizer - (RMLES EMBRED-[AddForcach, column#opkeprume, opulicateForEachColumn#owrite, GroupByConstrarallelSetter, mpltimizer, Loss (Part 1997-19 12:25:44, 760 Banks | 1MFO org. apache.pig.backend.hadoop.executionengine.appediouclayer.Microary (Part 1997-10 12:25:44, 760 Banks | 1MFO org. apache.pig.backend.hadoop.executionengine.appediouclayer.Microary (Part 1997-10 12:25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:45, 25:4

        HadoopVersion
        PigVersion
        UserId
        StartedAt
        FinishedAt
        Features

        2.6.0-cdh5.4.2
        0.12.0-cdh5.4.2
        cloudera
        2021-07-10
        12:25:45
        2021-07-10
        12:27:44
```

