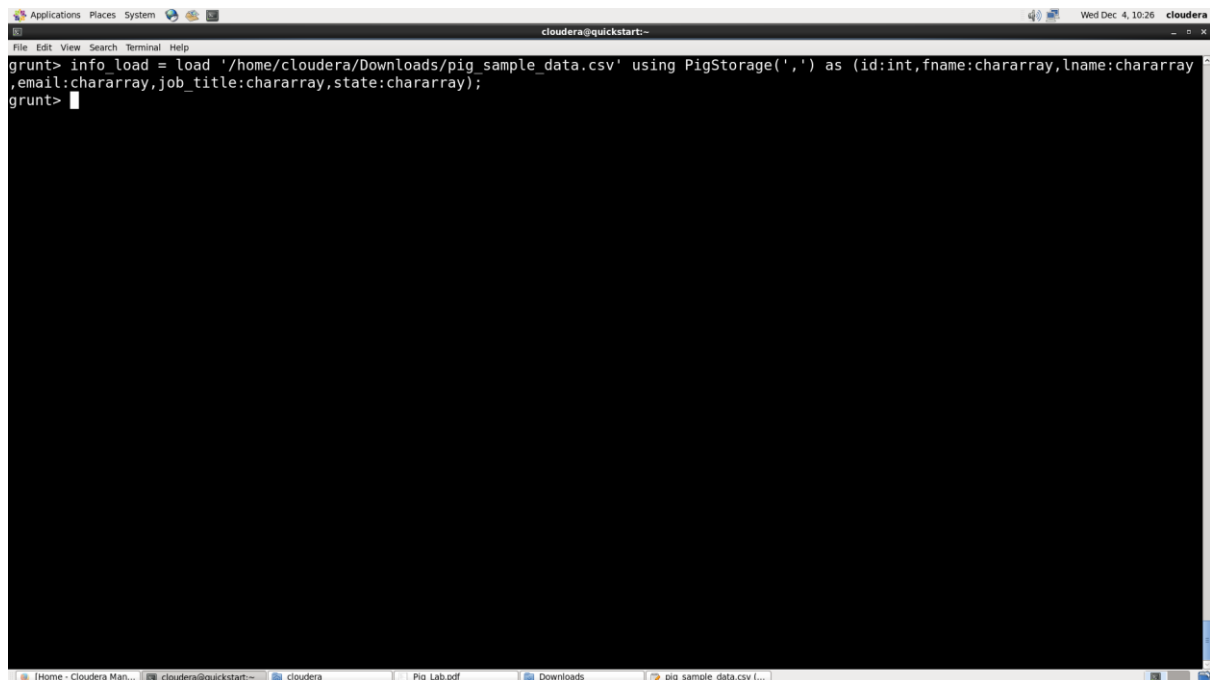


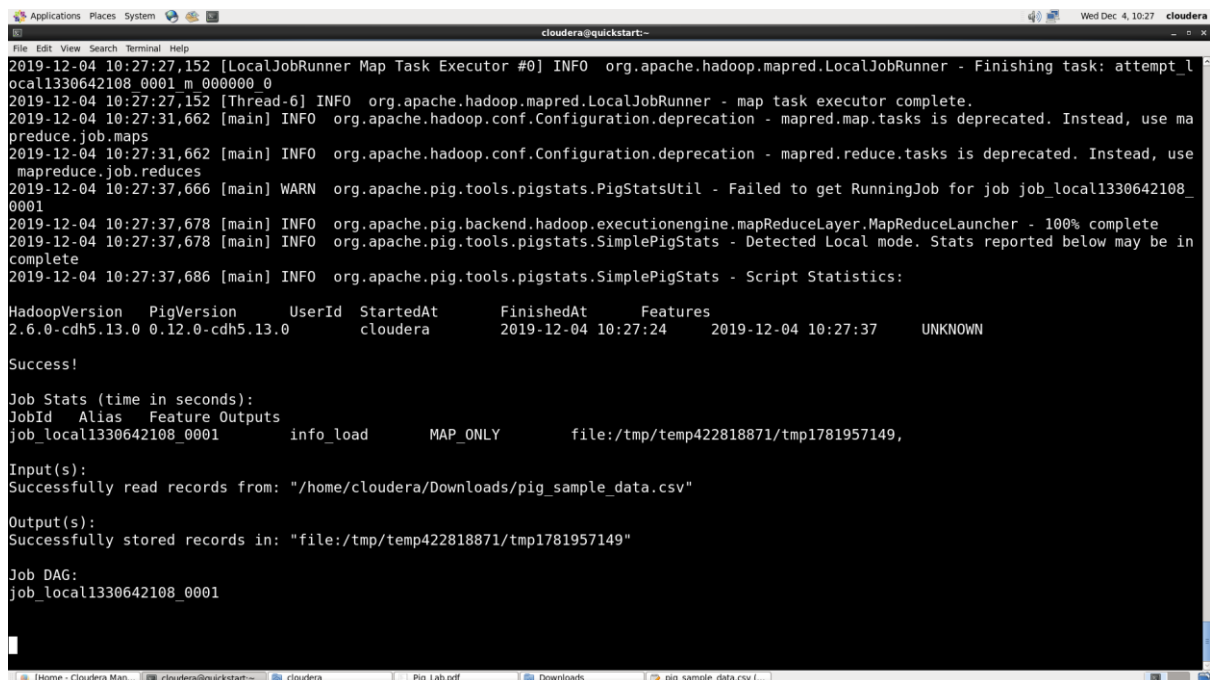
PIG

Load sample_data file and apply different transformations on it

1. Load file into pig



A terminal window titled 'cloudera@quickstart:~' showing the execution of a Pig script. The command entered is: `grunt> info_load = load '/home/cloudera/Downloads/pig_sample_data.csv' using PigStorage(',') as (id:int,fname:chararray,lname:chararray,email:chararray,job_title:chararray,state:chararray);` followed by `grunt>` on a new line. The terminal interface includes a menu bar (File, Edit, View, Search, Terminal, Help) and a taskbar at the bottom with icons for Home, Cloudera Manager, cloudera@quickstart, cloudera, Pig_Lab.pdf, Downloads, and pig_sample_data.csv (...).



A terminal window titled 'cloudera@quickstart:~' displaying the output of a Pig job. The logs show the completion of map tasks and the execution of the reduce stage. Key messages include: 'map task executor complete.', 'mapreduce.job.maps', 'mapreduce.job.reduces', and '100% complete'. A warning message states: 'org.apache.hadoop.conf.Configuration.deprecation - mapred.reduce.tasks is deprecated. Instead, use mapreduce.job.reduces'. The 'Script Statistics' section provides a summary of the job's performance.

HadoopVersion	PigVersion	UserId	StartedAt	FinishedAt	Features
2.6.0-cdh5.13.0	0.12.0-cdh5.13.0	cloudera	2019-12-04 10:27:24	2019-12-04 10:27:37	UNKNOWN

Success!

Job Stats (time in seconds):

JobId	Alias	Feature	Outputs
job_local1330642108_0001	info_load	MAP_ONLY	file:/tmp/temp422818871/tmp1781957149,

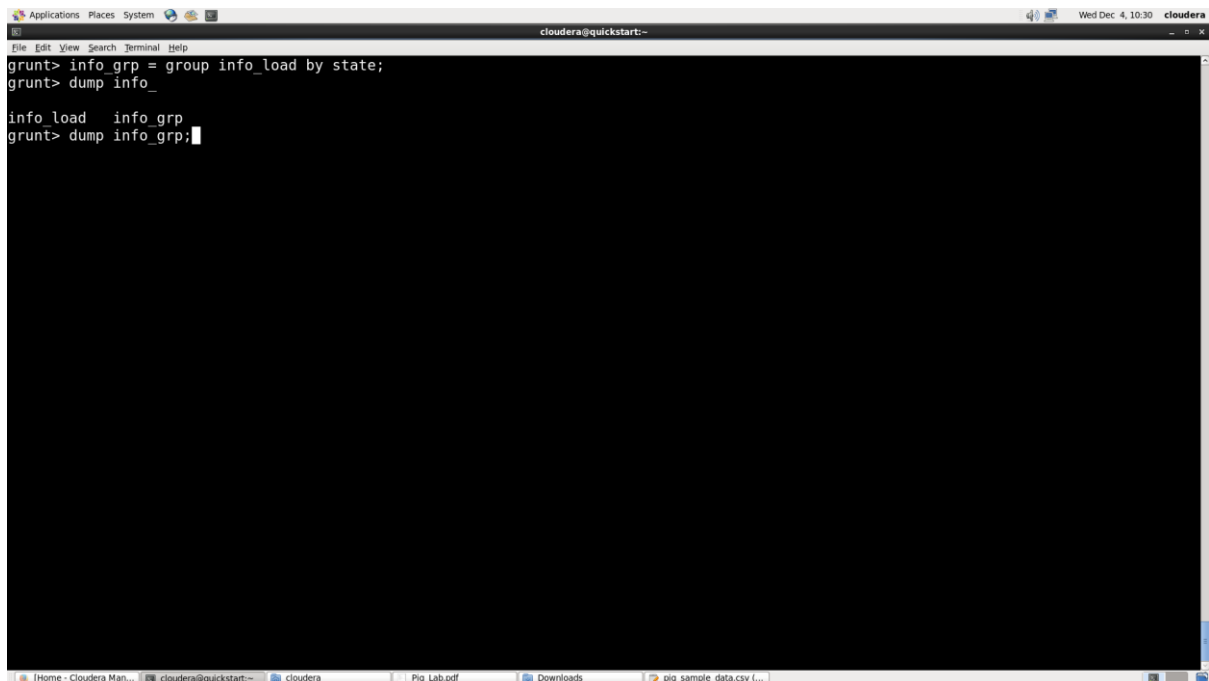
Input(s):
Successfully read records from: "/home/cloudera/Downloads/pig_sample_data.csv"

Output(s):
Successfully stored records in: "file:/tmp/temp422818871/tmp1781957149"

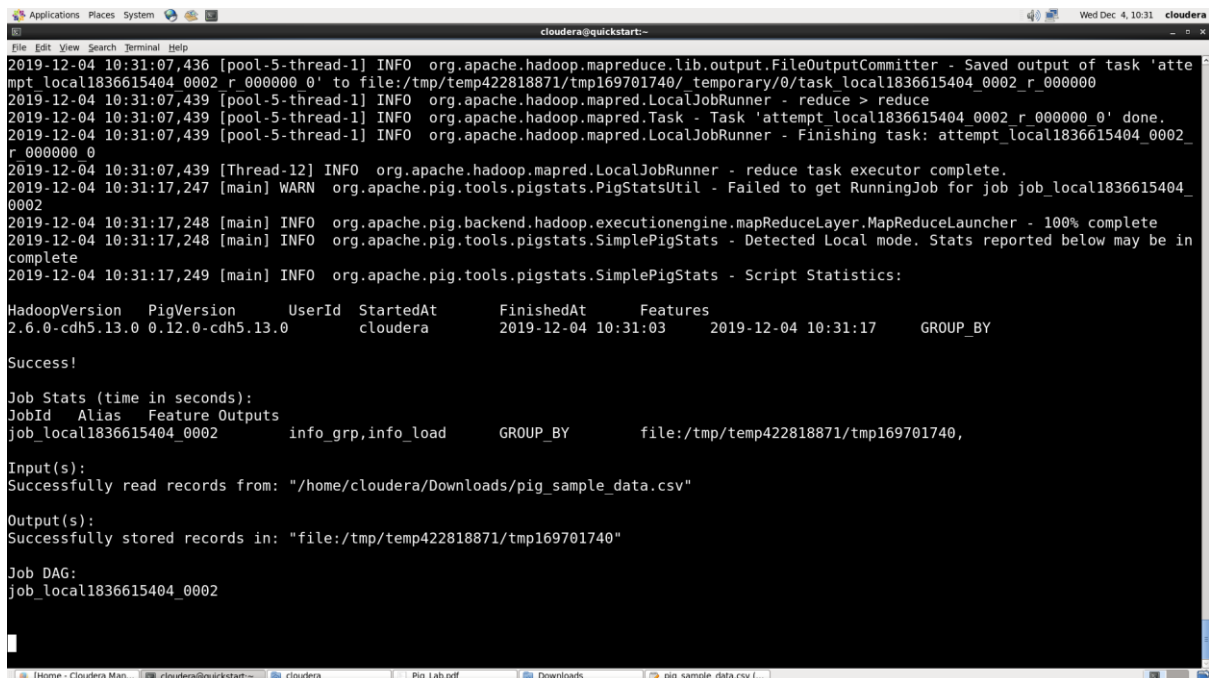
Job DAG:
job_local1330642108_0001

PIG

2. Do grouping on loaded file by state.



```
cloudera@quickstart:~$ grunt> info_grp = group info_load by state;
cloudera@quickstart:~$ grunt> dump info_
info load    info_grp
cloudera@quickstart:~$ grunt> dump info_grp;
```



```
2019-12-04 10:31:07,436 [pool-5-thread-1] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - Saved output of task 'attempt local1836615404_0002_r_000000_0' to file:/tmp/temp422818871/tmp169701740/ temporary/0/task local1836615404_0002_r_000000
2019-12-04 10:31:07,439 [pool-5-thread-1] INFO org.apache.hadoop.mapred.LocalJobRunner - reduce > reduce
2019-12-04 10:31:07,439 [pool-5-thread-1] INFO org.apache.hadoop.mapred.Task - Task 'attempt local1836615404_0002_r_000000_0' done.
2019-12-04 10:31:07,439 [pool-5-thread-1] INFO org.apache.hadoop.mapred.LocalJobRunner - Finishing task: attempt_local1836615404_0002_r_000000_0
2019-12-04 10:31:07,439 [Thread-12] INFO org.apache.hadoop.mapred.LocalJobRunner - reduce task executor complete.
2019-12-04 10:31:17,247 [main] WARN org.apache.pig.tools.pigstats.PigStatsUtil - Failed to get RunningJob for job job_local1836615404_0002
2019-12-04 10:31:17,248 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 100% complete
2019-12-04 10:31:17,248 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Detected Local mode. Stats reported below may be incomplete
2019-12-04 10:31:17,249 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion  PigVersion      UserId  StartedAt      FinishedAt      Features
2.6.0-cdh5.13.0 0.12.0-cdh5.13.0 cloudera 2019-12-04 10:31:03 2019-12-04 10:31:17 GROUP_BY

Success!

Job Stats (time in seconds):
JobId Alias Feature Outputs
job_local1836615404_0002 info_grp,info_load GROUP_BY file:/tmp/temp422818871/tmp169701740,

Input(s):
Successfully read records from: "/home/cloudera/Downloads/pig_sample_data.csv"

Output(s):
Successfully stored records in: "file:/tmp/temp422818871/tmp169701740"

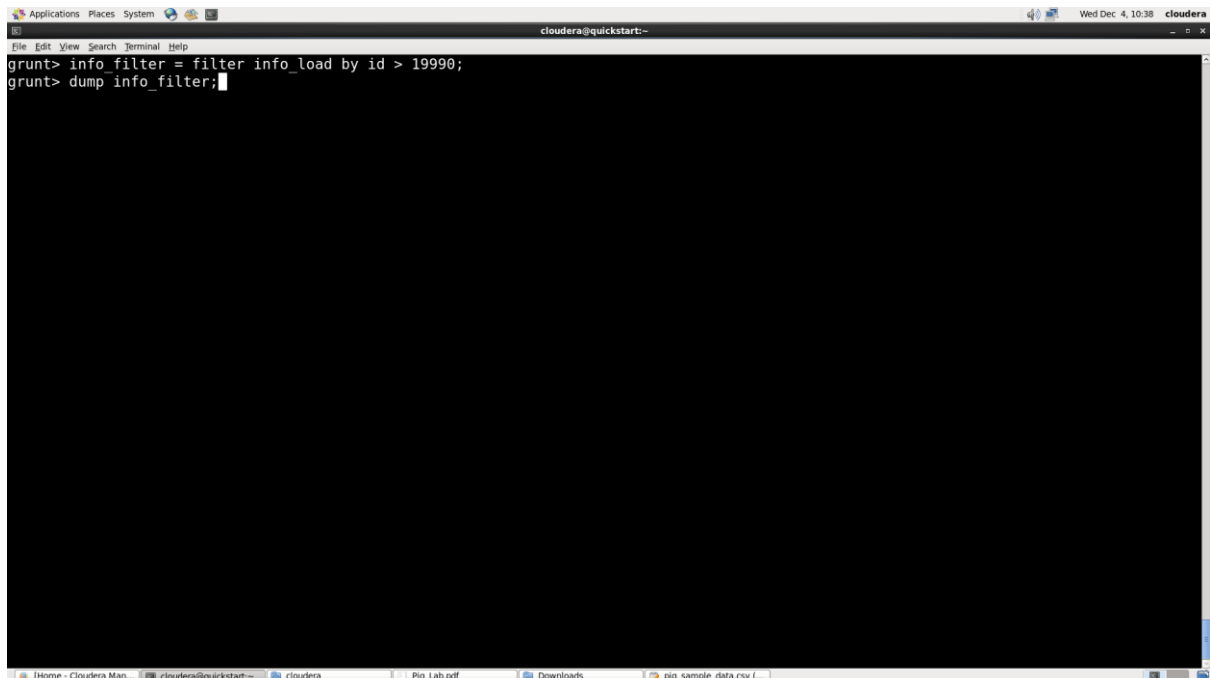
Job DAG:
job_local1836615404_0002
```

PIG



```
ill.biz,Business Broker,Connecticut,),(61,Chris Ellis,Chris Ellis9245@kideod.biz,Baker,Rhode Island,),(60,Harvey Matthews,Harvey Matthe
ws6633@brety.org,Restaurant Manager,Missouri,),(59,Ronald Pearson,Ronald_Pearson882@zor.org,Systems Administrator,Vermont,),(58,Sofie
Gonzales,Sofie_Gonzales721@acrit.org,Paramedic,Alaska,),(57,Ron Yang,Ron_Yang6293@sheye.org,Executive Director,Oklahoma,),(56,Gemma Hu
ggins,Gemma_Huggins4314@sheye.org,Fabricator,North Dakota,),(55,Mona Khan,Mona_Khan7839@ovock.tech,Banker,Utah,),(54,Domenic Robinson,D
omenic_Robinson2130@typill.biz,Webmaster,North Carolina,),(53,Jamie Fenton,Jamie_Fenton2237@nimogy.biz,Lecturer,New Mexico,),(52,Crista
l Thornton,Cristal_Thornton5498@vetan.org,Electrician,New Hampshire,),(51,Julius Saunders,Julius_Saunders7724@guentu.biz,Baker,Louisian
a,),(50,Lucas Collingwood,Lucas_Collingwood9997@bauros.biz,Loan Officer,Delaware,),(49,Paula Yarlett,Paula_Yarlett41@eirey.tech,Audiolo
gist,North Dakota,),(48,Cedrick Owens,Cedrick_Owens8817@ubusive.com,Laboratory Technician,Hawaii,),(47,Denny Khan,Denny_Khan5419@granna
r.com,HR Coordinator,Virginia,),(46,Eduardo Shields,Eduardo_Shields5795@kideod.biz,Investment Advisor,Idaho,),(45,Jocelyn Reid,Jocelyn
_Reid4811@grannar.com,Treasurer,Wisconsin,),(44,Julian Dixon,Julian_Dixon9001@deons.tech,Webmaster,Hawaii,),(43,Hayden Huggins,Hayden H
uggins1552@liret.org,Fabricator,Massachussets,),(42,Chelsea Hastings,Chelsea_Hastings2177@grannar.com,Clerk,New Mexico,),(41,Javier Whi
tmore,Javier_Whitmore9354@deons.tech,Global Logistics Supervisor,New Hampshire,),(40,Ronald Harris,Ronald_Harris2891@svelo.biz,Physici
an,North Dakota,),(39,Chloe Martin,Chloe_Martin3853@deons.tech,Business Broker,Delaware,),(38,Bart Vallory,Bart_Vallory3632@nickia.com,
Retail Trainee,Tennessee,),(37,Cassidy Everett,Cassidy_Everett9101@mafthy.com,Bellman,Oklahoma,),(36,Cameron Rogan,Cameron_Rogan3101@ex
tex.org,Retail Trainee,Nebraska,),(35,Sebastian Purvis,Sebastian_Purvis4730@hourpy.biz,Audiologist,Maryland,),(34,Barney Matthews,Barne
y_Matthews9373@typill.biz,Clerk,Florida,),(33,Clint Morrow,Clint_Morrow801@bungr.biz,Cashier,Idaho,),(32,Hanna Saunders,Hanna_Saunders
4799@svelo.biz,Budget Analyst,Virginia,),(31,Sebastian Porter,Sebastian_Porter3228@tonsy.org,Electrician,Idaho,),(30,Jolene Hamilton,J
olene_Hamilton7845@twipet.com,CNC Operator,Louisiana,),(29,Barney Drake,Barney_Drake7021@yahoo.com,Fabricator,Iowa,),(28,Nate Radcliffe
,Nate_Radcliffe4377@cispeto.com,Software Engineer,Louisiana,),(27,Drew Stark,Drew_Stark3538@sheye.org,Treasurer,Washington,),(26,Candac
e Cunningham,Candace_Cunningham3440@infotech44.tech,Inspector,Alaska,),(25,Erica Lindop,Erica_Lindop7169@mafthy.com,Lecturer,Arkansas,),(
24,Thea Morrow,Thea_Morrow9293@eirey.tech,Loan Officer,Maryland,),(23,Brad Murphy,Brad_Murphy6056@twipet.com,Restaurant Manager,Georg
ia,),(22,Carrie Thorpe,Carrie_Thorpe406@gmail.com,Paramedic,North Dakota,),(21,Janelle Franks,Janelle_Franks227@ovock.tech,Inspector,Ne
vada,),(20,Chad Dubois,Chad_Dubois4704@brety.org,Software Engineer,Kansas,),(19,Gloria Gilmour,Gloria_Gilmour6115@brety.org,Call Center
Representative,Alabama,),(18,Oliver Vangness,Oliver_Vangness2125@twipet.com,Loan Officer,Alabama,),(17,Hannah Clarke,Hannah_Clarke8463
@kideod.biz,Investment Advisor,Maryland,),(16,Macy Drake,Macy_Drake8908@muall.tech,HR Coordinator,Louisiana,),(15,Ramon Addison,Ramon_
Addison6511@guentu.biz,Retail Trainee,Connecticut,),(14,Trisha Wild,Trisha_Wild1542@corti.com,Biologist,Colorado,),(13,Gina Corbett,Gin
a_Corbett2699@nickia.com,Stockbroker,Texas,),(12,Naomi Morrison,Naomi_Morrison4334@gmail.com,Banker,New Jersey,),(11,Doris Jarrett,Dori
s_Jarrett2583@deons.tech,Front Desk Coordinator,Iowa,),(10,Gabriel Hunter,Gabriel_Hunter5176@guentu.biz,Laboratory Technician,South Dak
ota,),(9,Doug Tanner,Doug_Tanner7272@gembat.biz,Ambulatory Nurse,Massachussets,),(8,Brad Ross,Brad_Ross3511@extex.org,HR Specialist,Wyo
ming,),(7,Deborah Ramsey,Deborah_Ramsey348@grannar.com,Bellman,Oklahoma,),(6,Jessica Hopkinson,Jessica_Hopkinson5893@gmail.com,Paramedi
c,Idaho,),(5,Michael Gilbert,Michael_Gilbert4537@eirey.tech,Executive Director,Rhode Island,),(4,Tom Squire,Tom_Squire16@infotech44.tec
h,Ambulatory Nurse,Nebraska,),(3,Marissa Fleming,Marissa_Fleming5384@iatim.tech,Inspector,Hawaii,),(2,Logan Booth,Logan_Booth1642@sheye
.org,Clerk,Minnesota,),(1,Vivian Oldfield,Vivian_Oldfield8535@deavo.com,Lecturer,Utah,))}
grunt>
```

3. Use filter to display last 10 records for the loaded file.



```
grunt> info_filter = filter info_load by id > 19990;
grunt> dump info_filter;
```

PIG

```
Applications Places System cloudera@quickstart:~
2019-12-04 10:38:17,780 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.PigRecordReader - Current split being processed file:/home/cloudera/Downloads/pig_sample_data.csv:0+1445355
2019-12-04 10:38:17,787 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - File OutputCommitter Algorithm version is 1
2019-12-04 10:38:17,787 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - FileOutputCommitter skip cleanup temporary folders under output directory:false, ignore cleanup failures: false
2019-12-04 10:38:17,806 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.data.SchemaTupleBackend - Key [pig.schematuple] was not set... will not generate code.
2019-12-04 10:38:17,834 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.PigMapOnly$Map - Aliases being processed per job phase (AliasName[line,offset]): M: info_load[1,12],info_load[-1,-1],info_filter[4,14] C: R:
2019-12-04 10:38:17,984 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - HadoopJobId: job_local1620192655_0004
2019-12-04 10:38:17,984 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Processing aliases info_filter,info_load
2019-12-04 10:38:17,984 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - detailed locations: M: info_load[1,12],info_load[-1,-1],info_filter[4,14] C: R:
2019-12-04 10:38:18,078 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - map
2019-12-04 10:38:18,078 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local1620192655_0004_m_000000_0 is done. And is in the process of committing
2019-12-04 10:38:18,082 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - map
2019-12-04 10:38:18,082 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local1620192655_0004_m_000000_0 is allowed to commit now
2019-12-04 10:38:18,086 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - Saved output of task 'attempt_local1620192655_0004_m_000000_0' to file:/tmp/temp422818871/tmp-65608121/_temporary/0/task_local1620192655_0004_m_000000_0
2019-12-04 10:38:18,087 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - map
2019-12-04 10:38:18,088 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local1620192655_0004_m_000000_0 done.
2019-12-04 10:38:18,088 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - Finishing task: attempt_local1620192655_0004_m_000000_0
2019-12-04 10:38:18,088 [Thread-26] INFO org.apache.hadoop.mapred.LocalJobRunner - map task executor complete.
```

```
Applications Places System cloudera@quickstart:~
m_000000
2019-12-04 10:38:18,087 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - map
2019-12-04 10:38:18,088 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local1620192655_0004_m_000000_0 done.
2019-12-04 10:38:18,088 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - Finishing task: attempt_local1620192655_0004_m_000000_0
2019-12-04 10:38:18,088 [Thread-26] INFO org.apache.hadoop.mapred.LocalJobRunner - map task executor complete.
2019-12-04 10:38:30,004 [main] WARN org.apache.pig.tools.pigstats.PigStatsUtil - Failed to get RunningJob for job job_local1620192655_0004
2019-12-04 10:38:30,004 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 100% complete
2019-12-04 10:38:30,004 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Detected Local mode. Stats reported below may be incomplete
2019-12-04 10:38:30,005 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion PigVersion UserId StartedAt FinishedAt Features
2.6.0-cdh5.13.0 0.12.0-cdh5.13.0 cloudera 2019-12-04 10:38:17 2019-12-04 10:38:30 FILTER

Success!

Job Stats (time in seconds):
JobId Alias Feature Outputs
job_local1620192655_0004 info_filter,info_load MAP_ONLY file:/tmp/temp422818871/tmp-65608121,

Input(s):
Successfully read records from: "/home/cloudera/Downloads/pig_sample_data.csv"

Output(s):
Successfully stored records in: "file:/tmp/temp422818871/tmp-65608121"

Job DAG:
job_local1620192655_0004
```

PIG

```
Applications Places System cloudera@quickstart:~
File Edit View Search Terminal Help

Job Stats (time in seconds):
JobId Alias Feature Outputs
job_local1620192655_0004 info_filter,info_load MAP_ONLY file:/tmp/temp422818871/tmp-65608121,

Input(s):
Successfully read records from: "/home/cloudera/Downloads/pig_sample_data.csv"

Output(s):
Successfully stored records in: "file:/tmp/temp422818871/tmp-65608121"

Job DAG:
job_local1620192655_0004

2019-12-04 10:38:36,011 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!
2019-12-04 10:38:36,013 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.
defaultFS
2019-12-04 10:38:36,014 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - io.bytes.per.checksum is deprecated. Instead, u
se dfs.bytes-per-checksum
2019-12-04 10:38:36,015 [main] WARN org.apache.pig.data.SchemaTupleBackend - SchemaTupleBackend has already been initialized
2019-12-04 10:38:36,052 [main] INFO org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths to process : 1
2019-12-04 10:38:36,052 [main] INFO org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1
(19991,Rufus Snell,Rufus Snell6830@acrit.org,Call Center Representative,Wyoming,)
(19992,Gwenyth Ashwell,Gwenyth Ashwell6574@nickia.com,Retail Trainee,Montana,)
(19993,Hazel Rycroft,Hazel Rycroft1796@bretoux.com,Clerk,New Jersey,)
(19994,Mark Hammond,Mark Hammond1709@acrit.org,Doctor,Idaho,)
(19995,Tom Faulkner,Tom Faulkner9937@jiman.org,Designer,Virginia,)
(19996,Jacqueline Kidd,Jacqueline Kidd4686@gmail.com,Accountant,Pennsylvania,)
(19997,Matthew Eddison,Matthew Eddison5681@liret.org,Machine Operator,Rhode Island,)
(19998,Carissa Brock,Carissa Brock6057@elnee.tech,Baker,Florida,)
(19999,Alexa Nelson,Alexa Nelson16@elnee.tech,Production Painter,Maine,)
(20000,Clint Wilde,Clint Wilde3880@yahoo.com,Design Engineer,Tennessee,)
grunt>
```

4. Store the output of the filter in new target directory and display contents too.

```
Applications Places System cloudera@quickstart:~
File Edit View Search Terminal Help

grunt> info_load = load '/home/cloudera/Downloads/pig_sample_data.csv' using PigStorage(',') as (id:int,fname:chararray,lname:chararray
,email:chararray,job_title:chararray,state:chararray);
grunt> info_filter = filter info_load by id > 19990;
grunt> store info_

info filter info_load
grunt> store info_filter into '/home/cloudera/Desktop/op2' using Pig

PigDump PigStorage
grunt> store info_filter into '/home/cloudera/Desktop/op2' using PigStorage(',');
```


PIG

```
Applications Places System cloudera@quickstart:~
File Edit View Search Terminal Help
Total Length = 1445355
Input split[0]:
  Length = 1445355
  Locations:
-----
2019-12-04 10:46:54,043 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.PigRecordReader - Current split being processed file:/home/cloudera/Downloads/pig_sample_data.csv:0+1445355
2019-12-04 10:46:54,063 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - File OutputCommitter Algorithm version is 1
2019-12-04 10:46:54,063 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - FileOutputCommitter skip cleanup temporary folders under output directory:false, ignore cleanup failures: false
2019-12-04 10:46:54,108 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.data.SchemaTupleBackend - Key [pig.schematuple] was not set... will not generate code.
2019-12-04 10:46:54,148 [LocalJobRunner Map Task Executor #0] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.PigMapOnly$Map - Aliases being processed per job phase (AliasName[line,offset]): M: info_load[1,12],info_load[-1,-1],info_filter[2,14] C: R:
2019-12-04 10:46:55,136 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - 
2019-12-04 10:46:55,137 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local426854722_0001_m_000000_0 is done. And is in the process of committing
2019-12-04 10:46:55,158 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - 
2019-12-04 10:46:55,158 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local426854722_0001_m_000000_0 is allowed to commit now
2019-12-04 10:46:55,162 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter - Saved output of task 'attempt_local426854722_0001_m_000000_0' to file:/home/cloudera/Desktop/op2/_temporary/0/task_local426854722_0001_m_000000_0
2019-12-04 10:46:55,164 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - map
2019-12-04 10:46:55,164 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.Task - Task:attempt_local426854722_0001_m_000000_0' done.
2019-12-04 10:46:55,165 [LocalJobRunner Map Task Executor #0] INFO org.apache.hadoop.mapred.LocalJobRunner - Finishing task: attempt_local426854722_0001_m_000000_0
2019-12-04 10:46:55,165 [Thread-6] INFO org.apache.hadoop.mapred.LocalJobRunner - map task executor complete.
```

```
Applications Places System cloudera@quickstart:~
File Edit View Search Terminal Help
ocal426854722_0001_m_000000_0
2019-12-04 10:46:55,165 [Thread-6] INFO org.apache.hadoop.mapred.LocalJobRunner - map task executor complete.
2019-12-04 10:46:59,753 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapred.map.tasks is deprecated. Instead, use mapreduce.job.maps
2019-12-04 10:46:59,754 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapred.reduce.tasks is deprecated. Instead, use mapreduce.job.reduces
2019-12-04 10:47:05,756 [main] WARN org.apache.pig.tools.pigstats.PigStatsUtil - Failed to get RunningJob for job job_local426854722_0001
2019-12-04 10:47:05,766 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 100% complete
2019-12-04 10:47:05,766 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Detected Local mode. Stats reported below may be incomplete
2019-12-04 10:47:05,772 [main] INFO org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion PigVersion UserId StartedAt FinishedAt Features
2.6.0-cdh5.13.0 0.12.0-cdh5.13.0 cloudera 2019-12-04 10:46:52 2019-12-04 10:47:05 FILTER

Success!

Job Stats (time in seconds):
JobId Alias Feature Outputs
job_local426854722_0001 info_filter,info_load MAP_ONLY /home/cloudera/Desktop/op2,

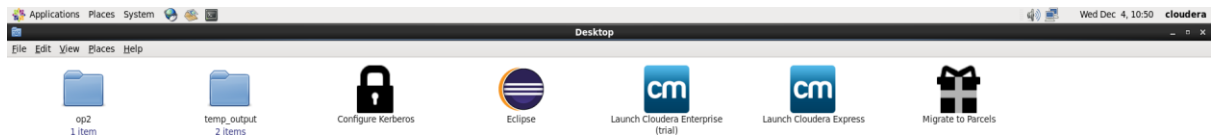
Input(s):
Successfully read records from: "/home/cloudera/Downloads/pig_sample_data.csv"

Output(s):
Successfully stored records in: "/home/cloudera/Desktop/op2"

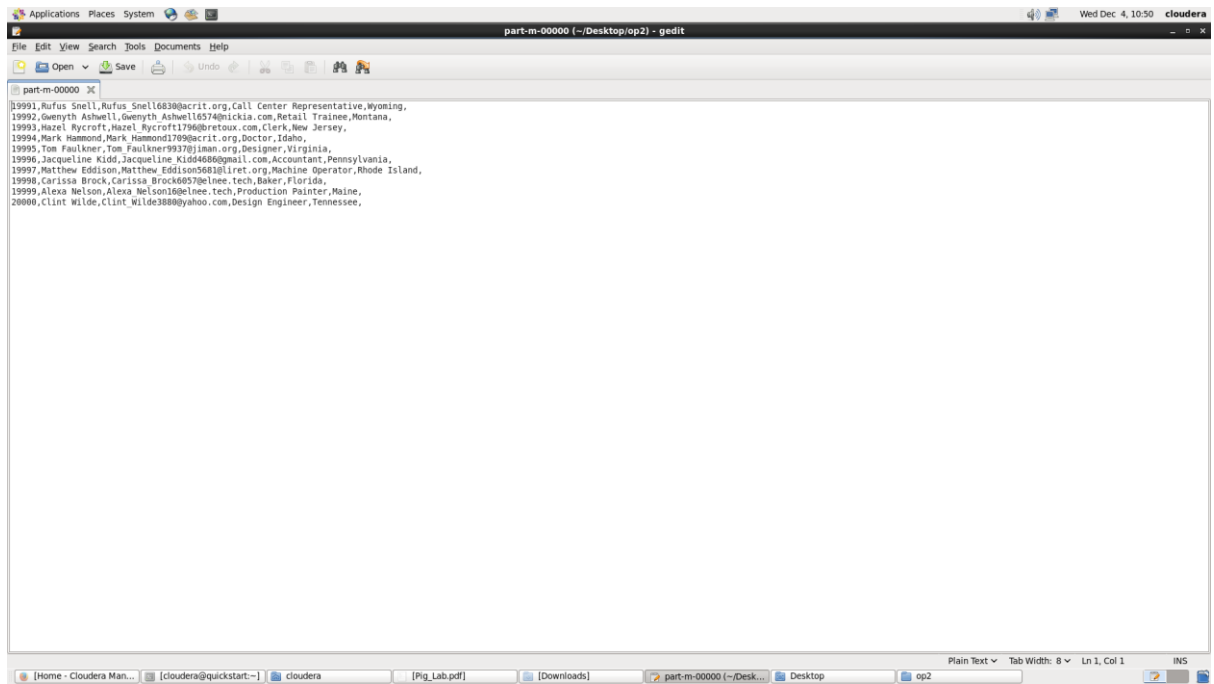
Job DAG:
job_local426854722_0001

2019-12-04 10:47:11,775 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!
grunt>
```

PIG



PIG



```
19991,Rufus Snell,Rufus_Snell16838@acrit.org,Call Center Representative,Wyoming,
19992,Gwenyth Ashwell,Gwenyth_Ashwell16574@nickia.com,Retail Trainee,Montana,
19993,Hazel Rycroft,Hazel_Rycroft1796@bretoux.com,Clerk,New Jersey,
19994,Mark Hammond,Mark_Hammond1769@acrit.org,Doctor,Idaho,
19995,Tom Faulkner,Tom_Faulkner99378@lman.org,Designer,Virginia,
19996,Jacqueline Kidd,Jacqueline_Kidd4686@gmail.com,Accountant,Pennsylvania,
19997,Matthew Edlison,Matthew_Edlison5681@lret.org,Machine Operator,Rhode Island,
19998,Carissa Brock,Carissa_Brock46057@elnee.tech,Baker,Florida,
19999,Alexa Nelson,Alexa_Nelson16@elnee.tech,Production Painter,Maine,
20000,Clint Wilde,Clint_Wilde3880@yahoo.com,Design Engineer,Tennessee,
```