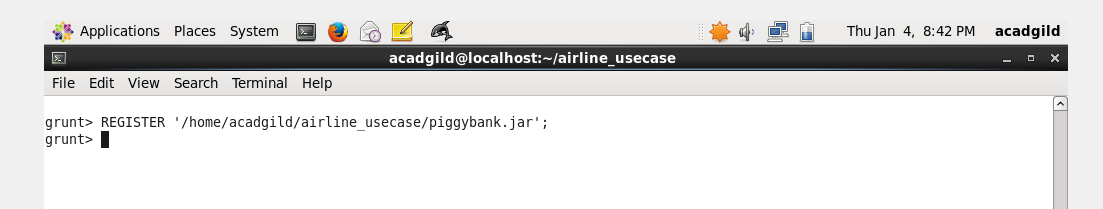
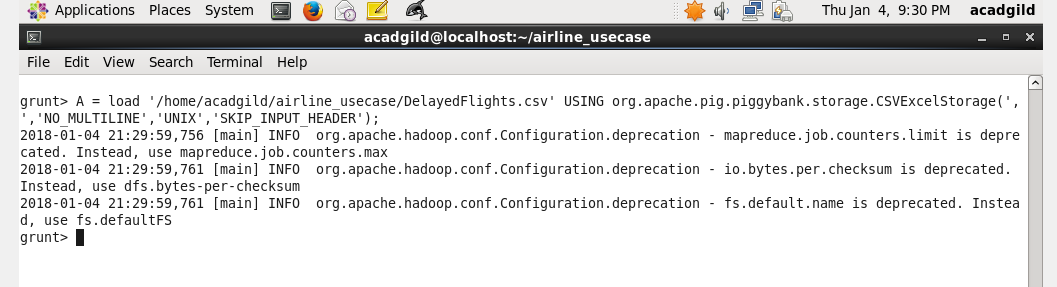


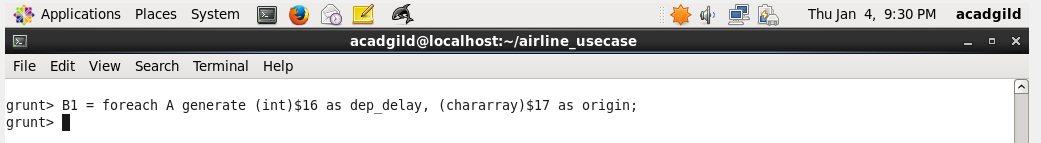
REGISTER '/home/acadgild/airline\_usecase/piggybank.jar';



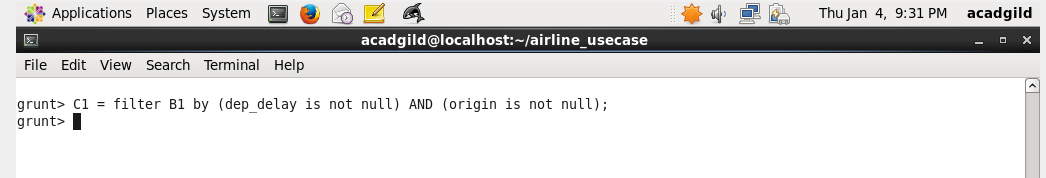
A = load '/home/acadgild/airline\_usecase/DelayedFlights.csv' USING org.apache.pig.piggybank.storage.CSVExcelStorage(',','NO\_MULTILINE','UNIX','SKIP\_INPUT\_HEADER');



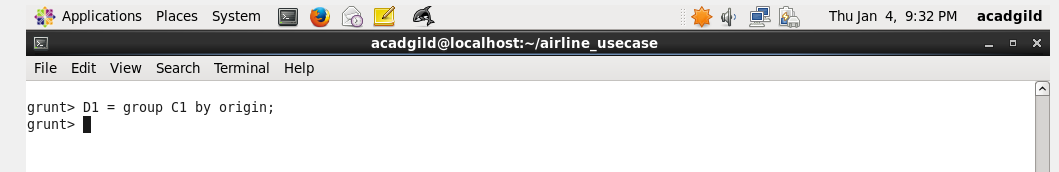
B1 = foreach A generate (int)$16 as dep\_delay, (chararray)$17 as origin;



C1 = filter B1 by (dep\_delay is not null) AND (origin is not null);



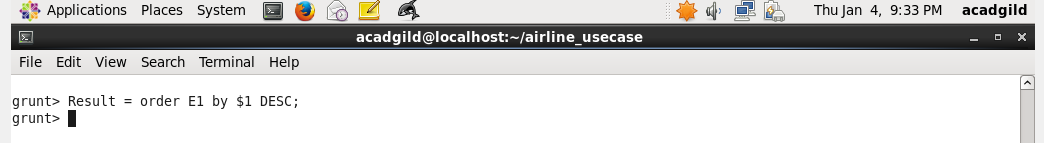
D1 = group C1 by origin;



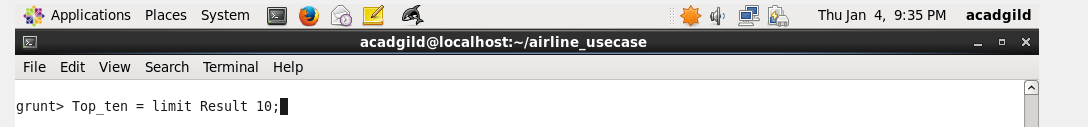
E1 = foreach D1 generate group, AVG(C1.dep\_delay);



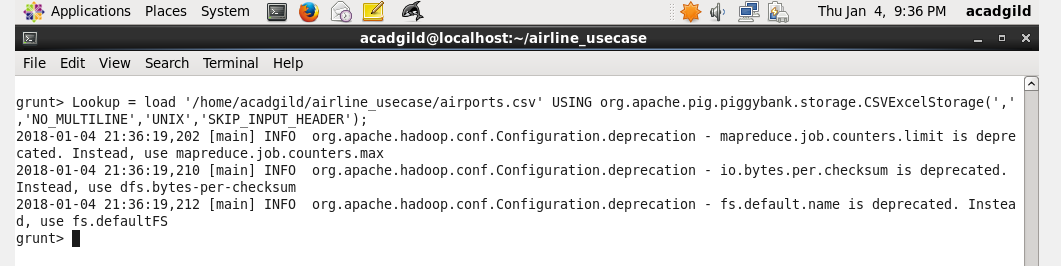
Result = order E1 by $1 DESC;



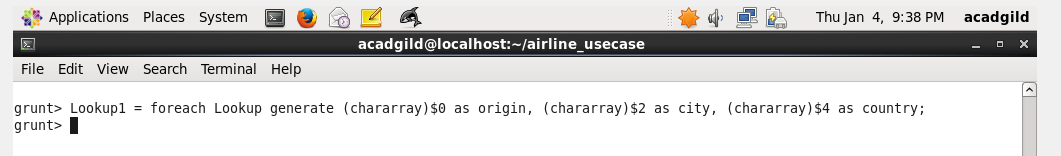
Top\_ten = limit Result 10;



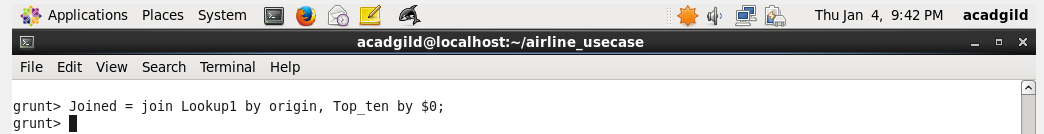
Lookup = load '/home/acadgild/airline\_usecase/airports.csv' USING org.apache.pig.piggybank.storage.CSVExcelStorage(',','NO\_MULTILINE','UNIX','SKIP\_INPUT\_HEADER');



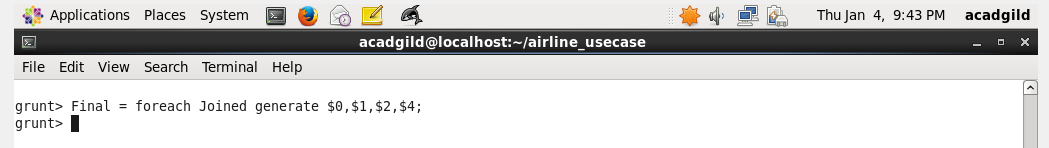
Lookup1 = foreach Lookup generate (chararray)$0 as origin, (chararray)$2 as city, (chararray)$4 as country;



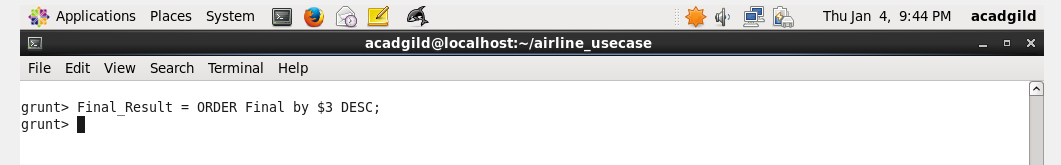
Joined = join Lookup1 by origin, Top\_ten by $0;



Final = foreach Joined generate $0,$1,$2,$4;



Final\_Result = ORDER Final by $3 DESC;



dump Final\_Result;

