(a) Top 5 employees (employee id and employee name) with highest rating.

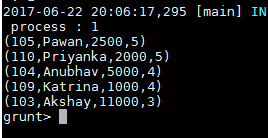
(In case two employees have same rating, employee with name coming first in dictionary should get preference)

emp= load 'employee\_details.txt' USING PigStorage(',') as (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

o= ORDER emp by emp\_rating desc,emp\_name asc;

l= limit o 5;

dump l;



(b) Top 3 employees (employee id and employee name) with highest salary, whose employee id is an odd number.

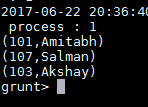
(In case two employees have same salary, employee with name coming first in dictionary should get preference)

SPLIT emp into odd if emp\_id%2==1, even if emp\_id%2==0;

o= order odd by emp\_salary desc;

result= limit o 3;

final= foreach result generate emp\_id,emp\_name;



(c) Employee (employee id and employee name) with maximum expense

(In case two employees have same expense, employee with name coming first in dictionary should get preference)

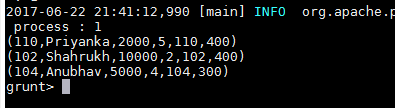
emp= load 'employee\_details.txt' USING PigStorage(',') as (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

emp\_exp= load 'employee\_expenses.txt' as (emp\_id:int,emp\_exp:int);

joined\_emp\_exp= join emp by emp\_id, emp\_exp by emp\_id;

max\_emp= order joined\_emp\_exp by emp\_exp desc, emp\_name asc;

top= limit max\_emp 3;



(d) List of employees (employee id and employee name) having entries in employee\_expenses file.

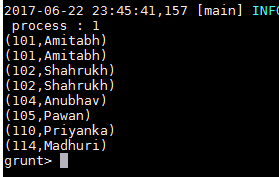
emp= load 'employee\_details.txt' USING PigStorage(',') as (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

emp\_exp= load 'employee\_expenses.txt' as (emp\_id:int,emp\_exp:int);

left\_outer\_joined\_data = join emp by emp\_id left outer, emp\_exp by emp\_id;

withexp= filter left\_outer\_joined\_data by emp\_exp::emp\_id is not null;

withexpresult= foreach withexp generate emp::emp\_id, emp::emp\_name;



(e) List of employees (employee id and employee name) having no entry in employee\_expenses file.

emp= load 'employee\_details.txt' USING PigStorage(',') as (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

emp\_exp= load 'employee\_expenses.txt' as (emp\_id:int,emp\_exp:int);

left\_outer\_joined\_data = join emp by emp\_id left outer, emp\_exp by emp\_id;

withoutexp= filter left\_outer\_joined\_data by emp\_exp::emp\_id is null;

withoutexpresult= foreach withoutexp generate emp::emp\_id, emp::emp\_name;

